

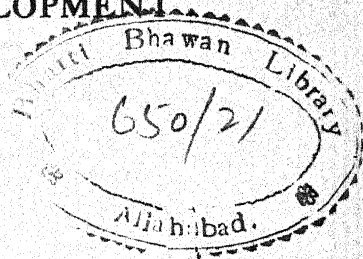
650/21

19260

# TYPE DESIGNS:

## THEIR HISTORY AND DEVELOPMENT

by  
**A. F. JOHNSON**  
OF THE BRITISH MUSEUM

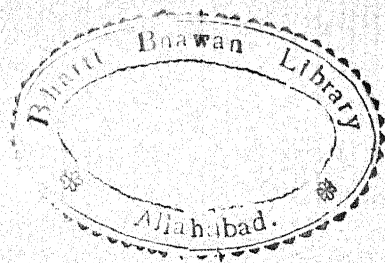


*Author of*  
"The First Century of Printing at Basle,"  
"French Sixteenth Century Typography,"  
"One Hundred Title Pages 1500 to 1800,"  
etc., etc.

LONDON  
GRAFTON & CO.  
1934



PRINTED IN GREAT BRITAIN BY  
THE LONDON AND NORWICH PRESS, LIMITED, ST. GILES WORKS, NORWICH



## CONTENTS

	PAGE
INTRODUCTION . . . . .	I
1. GOTHIC TYPES . . . . .	5
2. ROMAN: THE VENETIANS AND OLD FACE GROUP . . . . .	48
3. THE EVOLUTION OF THE MODERN-FACE ROMAN	73
4. OLD-FACE TYPES IN THE VICTORIAN AGE .	104
5. ITALIC: THE OLD FACE . . . . .	123
6. ITALIC TYPE IN THE EIGHTEENTH CENTURY .	159
7. SCRIPT TYPES . . . . .	174
8. EARLY ADVERTISING TYPES . . . . .	200
9. TYPE SPECIMENS . . . . .	208
LIST OF AUTHORITIES . . . . .	216
INDEX . . . . .	229

## PREFACE

SINCE the publication of Mr. Updike's *Printing Types* in 1922, some important researches into the history of typography have appeared, for the most part in the pages of periodicals. It is the purpose of this book to collect this new material together, and it is hoped that in some respects a more consistent story of the development of type forms is given than has hitherto been possible. I have reprinted in part some of my own articles, and for permission to use this material again, and also for the loan of blocks I have to thank the editors of *The Library*, *The Fleuron*, *The Gutenberg Jahrbuch*, *The Monotype Recorder*, *The Book Collector's Quarterly* and *The Printing Review*. I have to thank also Mr. H. W. Davies for the loan of blocks.

A. F. J.

19260

## LIST OF ILLUSTRATIONS

	PAGE
1. Psalterium, F. Creussner, Nuremberg, c. 1485 . . . . .	7
2. P. Gringore, Castell of Labour, R. Pynson, London, c. 1505 . . . . .	11
3. St. Augustine, <i>De vita Christiana</i> , Fust & Schöffer, Mainz, c. 1460 . . . . .	13
4. J. Gritsch, <i>Quadragesimale tripartitum</i> , J. Zainer, Ulm, 1475 . . . . .	15
5. Nicodemus, <i>Evangelium</i> , G. Zainer, Augsburg, c. 1475 . . . . .	17
6. <i>Biblia</i> , B. Richel, Basle, 1477 . . . . .	19
7. <i>Bairisches Lantrechtbuch</i> , E. Ratdolt, Augsburg, 1495 . . . . .	21
8. Regiomontanus, <i>Calendarium</i> , E. Ratdolt, Venice, 1482 . . . . .	23
9. J. Caviceo, <i>Libro del Peregrino</i> , B. de Lisona, Venice, 1520 . . . . .	25
10. <i>Le Faucon d'amour</i> , A. Vêrard, Paris, c. 1500 . . . . .	27
11. <i>Chronicles of England</i> , St. Albans, 1483 . . . . .	29
12. Conradus Celtes, <i>Proseuticum ad divum Fridericum III</i> , F. Creussner, Nuremberg, c. 1487 . . . . .	33
13. Aesop, S. M. Graf, Freiburg i. B., 1545 . . . . .	35
14. H. von Schleinitz, [A letter], M. Lotter, Leipzig, 1510 . . . . .	39
15. Duerer, <i>Etliche underricht zu befestigung der Stett</i> , Nuremberg, 1527 . . . . .	41
16. Cornelius Nepos, N. Jenson, Venice, 1471 . . . . .	49
17. P. de Barberiis, <i>Opuscula</i> , S. Riessinger, Rome, 1481 ? . . . . .	51
18. P. Comestor, <i>Historia scholastica</i> , G. Zainer, Augsburg, 1473 . . . . .	53
19. P. Bembo, <i>De Aetna</i> , Aldus, Venice, 1495 . . . . .	55
20. Xenophon, <i>Science pour s' enrichir</i> , G. Tory, Paris, 1931 . . . . .	59
21. <i>In Lodoice regis matris mortem epitaphia</i> , G. Tory, Paris, 1531 . . . . .	61
22. G. Bochetel, <i>Le Sacre de la Royne</i> , G. Tory, Paris, 1531 . . . . .	63
23. Virgil, R. Estienne, Paris, 1532 . . . . .	65
24. <i>Épreuve d'un nouveau caractère</i> , Imprimerie Royale, 1702 . . . . .	77
25. P. S. Fournier, <i>Les Caractères de l'Imprimerie</i> , Paris, 1764 . . . . .	81
26. I. and J. Genschedé, <i>Épreuve de Caractères</i> , Haarlem, 1748 . . . . .	83
27. Tasso, <i>Gerusalemme Liberata (Avis)</i> , F. A. Didot, Paris, 1784 . . . . .	85
28. Virgil, P. Didot, Paris, 1798 . . . . .	89
29. Specimen letters, comparing Caslon, Baskerville and a modern face . . . . .	93



	PAGE
30. Letter relating to Baskerville's types, set in Monotype Baskerville	95
31. John Bell's roman cut by Richard Austin. Set in the original type; text from Austin's preface	99
32. Modern Face from Robert Thorne's Specimen Book of 1803	101
33. F. H. Sutton, <i>A Short Account of Organs</i> , J. Masters, London, 1847	105
34. J. E. Millard, <i>The Office of Choristers</i> , J. Masters, London, 1848	107
35. W. Calvert, <i>The Wife's Manual</i> , Chiswick Press, 1854	111
36. J. Lanspergius, <i>An Epistle of Jesus Christ</i> , J. Philp, London, 1857	115
37. A. W. Tuer, <i>The Follies &amp; Fashions of our Grandfathers</i> , Leadenhall Press, 1886	121
38. Juvenal, Aldus, Venice, 1501	125
39. Lucan, G. Le Rouge, Paris, 1512	131
40. G. G. Trissino, <i>I Ritratti</i> , Vicentino, Rome, 1524	135
41. <i>Coryciana</i> , Vicentino, Rome, 1524	137
42. B. Castillioneus, <i>Gallorum Insubrum Antiqua Sedes</i> , G. A. Castiglione, Milan, 1541	141
43. G. Tory, <i>Aediloquium</i> , S. de Colines, Paris, 1530	143
44. Claudianus, <i>Opuscula</i> , S. de Colines, Paris, 1530	149
45. E. Dolet, <i>Carmina</i> , S. Gryphius, Lyons, 1538	151
46. <i>Marguerites de la Marguerite</i> , J. de Tournes, Lyons, 1547	153
47. J. Obsequens, <i>De' Prodigii</i> , J. de Tournes, Lyons, 1554	155
48. Ovid, <i>La Vita et Metamorphoseo</i> , J. de Tournes, Lyons, 1559	161
49. Anonymous sheet of verse, c. 1680, in a Dutch italic	163
50. Fournier's italic from his <i>Modèles de caractères</i> , Paris, 1742	165, 167
51, 52. P. Didot, <i>Épître sur les progrès de l'imprimerie</i> , Paris, 1784	171
53. Robert Thorne's italic from his Specimen Book of 1803	177
54. Part of a Pro Forma issued by the Collegium della Fabrica di S. Pietro, Rome, c. 1550	184
55. P. Galtherus, <i>Alexandreidos libri decem</i> , R. Granjon, Lyons, 1558	189
56. The three English Secretary Types, 1576, c. 1605 and 1641	193
57. P. L. Bigres, <i>Jesus mourant</i> , P. Moreau, Paris, 1647	197
58. M. Potter, <i>Poetry of Nature</i> , N. P. Cooke, London, 1789	



# TYPE DESIGNS:

## THEIR HISTORY AND DEVELOPMENT

### INTRODUCTION

As an introduction to the history of type forms, something may be said in outline of the story of the invention of printing. Printing from movable type was known in China long before the invention in Europe, but there seems no reason to suppose that any specimens of Chinese printing can have reached the west and we may feel confident that the European invention was new and entirely independent.<sup>1</sup> Works of reference frequently assert that printing was invented by Johann Gutenberg of Mainz about 1450, as though this were a definite fact, but the whole story is wrapped in obscurity, and is built up from a small number of scraps of evidence. There is no single printed book or printed fragment which bears Gutenberg's name, but there have survived several legal documents bearing on the question, and there are, moreover, the statements of contemporaries attributing the invention to Gutenberg. For example, Ulrich Gering and his partners, who brought the new art to Paris, in one of their colophons distinctly refer to Gutenberg as the inventor. The only substantial book produced by this first Mainz press was a Latin Bible, variously known as the Gutenberg Bible, the 42-line Bible, from the number of lines to a page, and the Mazarine Bible. The last name is derived from a copy which belonged to Cardinal Mazarin.

<sup>1</sup> See T. F. Carter, *The Invention of Printing in China*, New York, 1931.

Another copy in the Bibliothèque Nationale bears the signature of a rubricator from which we know that he finished his task in August, 1456. In November, 1455, Johann Fust of Mainz brought an action against Gutenberg for the recovery of money lent for the printing of this Bible and other works. We do not know whether the Bible was finished by that date, although it must have been finished soon afterwards, nor do we know the result of the action. Apparently Gutenberg lost the case, because the type of the Bible remained in the possession of Fust and Johann Schöffer, the third man in the partnership. One school argues that the Bible is Schöffer's work, basing their argument on evidence which exists that the work was rapidly printed and was probably produced after the split with Gutenberg. The case for Schöffer is not widely accepted, but the claim is another illustration of the obscurity surrounding Gutenberg's career. However, this Bible is not only the first printed book but is one of the finest books ever produced, a fact which is hardly flattering to the efforts of the typographers of five subsequent centuries.

The only serious rival claimant to Gutenberg is one Laurents Coster of Haarlem. In the book known as the *Cologne Chronicle* printed in 1499, there appears an account of the invention derived from Ulrich Zell, the first printer at Cologne, who came from Mainz. Zell states that Gutenberg was the inventor, but that he was acquainted with a "Vorbildung" in the Donatuses produced in Holland. The exact meaning of "Vorbildung" in this passage is doubtful. English textbooks have translated it as "Prefiguration," an equally vague term. There are in existence a number of fragments of early Dutch printing of a primitive appearance, which include Donatuses, that is, the school Latin grammars of the

Middle Ages. The legend which attributes these fragments to Coster dates from a century later, and is full of impossibilities. Whether Coster was their printer or not is comparatively unimportant. They may be conveniently labelled "Costeriana." They exist and have to be accounted for. The controversy about these Costeriana has been long, voluminous, unnecessarily bitter through nationalist rivalry, and is still unsettled. The latest scholar to tackle the problem is Dr. G. Zedler. In a massive volume, highly technical and very difficult reading, Zedler accepts the Costeriana as the *Vorbildung* of Ulrich Zell, and attempts to show how they were produced and to date them. He considers that the type was made by a process of casting in sand. No layman can really pronounce a verdict on this very technical subject. Zedler's thesis may be right, or it may not, but at least we can accept the general conclusion that the types of the Costeriana were produced by a method which proved in the end to be impracticable. They did not solve the problem of casting satisfactory type in large quantities as a commercial proposition. As to their dates Zedler's case is weak. His reconstruction of the time-table of Coster's press, in which he carries back the earliest fragments to a date before the appearance of anything at Mainz, is forced. We do not know yet as a fact that the Costeriana are earlier than Gutenberg. We have not the material to settle the question, and unless fresh documents are discovered the controversy will remain unsettled.

On the other hand types were produced at Mainz by a method which proved to be practicable, and this method continued to be followed with very little change down to the nineteenth century. The first step is the preparation of punches; letters are engraved on the ends of punches of hard metal, a very difficult and lengthy task. The



punch is struck into a piece of copper, known as a matrix or strike ; the matrix, after justification, is then placed in an adjustable hand-casting machine or mould. When this machine is closed or adjusted the matrix is at the bottom of a crevice and into this crevice molten lead, or some alloy containing lead, is poured. This lead, when taken from the mould, is the type, having in relief on one end the letter derived from the impression in the matrix. This hand-casting machine was the essence of Gutenberg's invention and the discovery which made possible the book printed from movable types.

Gutenberg did not discover the means of taking an impression, he was not the first man to construct a press nor the first to engrave letters on steel, to be used as a punch. All these mechanical arts and also the art of casting were known long before his day. Still less did he or any other early printer introduce any innovation in the design of letters. On the contrary he copied the contemporary letter-formation as known in the manuscript book, and in fact gave himself endless trouble in order to make his copy as exact as possible. Dr. Paul Schwenke's examination of the type of the Gutenberg Bible has revealed the number of extra sorts which were cut in order that a page of his book might be mistaken for a page written by a calligrapher. The Incunable period in the history of the book, which we arbitrarily close with the year 1500, may be defined as the period in which traces of the hand-written book are still to be found. The models which the first typographers had before them were manuscripts and the dignity of the work they produced is due to the high standard of beauty maintained by the models they were following. The handsome and imposing pages of the best incunables approach the even finer pages of the best manuscripts.

## Chapter I

### GOTHIC TYPES

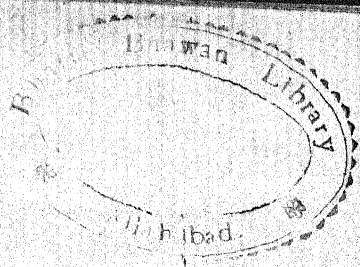
THE history of the design of types is a continuation of the history of letter formation. It was not until the printed book had developed into something altogether distinct from the manuscript that the designers of type became arbiters of taste in such matters. In the sixteenth century Garamond could introduce forms which became traditional, but in 1460 this was the function of the calligraphers. It is not proposed here to trace the history of European letters from the roman alphabet through the Caroline minuscules down to the hands in use in the fifteenth century. It will be enough to point out that all the European hands are descended from the same source, the script of the Roman Empire, and that although national and local characteristics are to be found, yet the German hands of *circa* 1450 can be paralleled in Italy. These hands are known to us as Gothic, a name used first in derision by Italian humanists of the Renaissance, for instance Vasari, but in fact have nothing to do with the Goths. They might more fittingly be described as mediæval, for they are essentially the hands of the Middle Ages, as distinguished from the humanistic hands of the Renaissance. Early examples of the most formal of the gothic hands, the upright and angular Textura or "Lettre de forme" are found in manuscripts written at the Benedictine Monastery of Monte Cassino in Southern Italy. North of the Alps



this formal letter became the standard for the Bibles and service books prepared for the use of the church. For scholastic and theological texts a less formal and rounded letter was used, for which there appears to have been no particular group name, and thirdly, for work in the vernacular, a still less formal and cursive hand known as Bastarda.

The early printers found it necessary to cut three styles of types corresponding to these three groups of books, the liturgical, the scholastic, and the vernacular. Although the types found in incunables, especially in German incunables, are of very great variety, they can nevertheless be classified according to these three groups, in a descending order of formality.

*Group A.*—The types cut by “Coster” and all the earliest types cut by Gutenberg belong to this first group of the formal gothic hand. This is an upright and angular letter characterised by an almost entire absence of curves. It may be described as drawn rather than written (see fig. 1). The different hands are arrived at by entirely dissimilar processes of penmanship. A scribe who makes a formal gothic h follows a very different process from one writing a current h, and uses a different kind of pen. Ascenders and descenders are short and end in points known as “feet.” From the point of view legibility all the letters are not sufficiently differentiated, for example, the n is merely two i’s, and the m three i’s, placed in contact, so that a combination such as *imm* is obscure. But legibility was not the chief aim of the medieval scribe. This formal script with its tall letters, black face and short ascenders and descenders enabled him to produce a closely-packed page with a large proportion of black to white, which had the appearance of a woven texture. Hence the letter was called “Textur” in German. The handbooks of



**Q**uasi enarrat gloriā dei: et opa  
manuū ei⁹ annūciat firma  
mentū. Dies diei erudit verbis:  
et nox nocti indicat scienciā. Non  
sūt loquēle neq; sermones: quorū  
non audiātur voces eorū. In om  
nem terrā exiuit sonus eorū: et in  
fines orbis terre verba eorū. In  
sole posuit tabernaculū suū: et ipse  
tanq; sponsus pcedēs de thalamo  
suo. Exultauit ut gigas ad curre  
dam viā: a sūmo celo egressio ei⁹.  
Et occurfus ei⁹ usq; ad sūmum  
eius: nec est qui se abscondat a ca

Fig. 1. Textura.

palæography show that the name *Textus* goes back at least to the twelfth century (*cf.* Wattenbach *Das Schriftwesen im Mittelalter*, 3rd edition, 1896, p. 297). The very interesting advertisement of an early fifteenth century calligrapher, one Johann vander Hagen,<sup>1</sup> of Bodenwerder on the Weser, described by Wattenbach, shows a "*Textus quadratus*," a "*Textus semiquadratus*," and a "*Textus sine pedibus*," that is without the pointed or diamond-shaped feet. The French call the letter "*Lettre de forme*," and the name is used in inventories of the library of Charles V of France, drawn up between 1411 and 1424, and of John, Duke of Berry, in 1416.<sup>2</sup> The term was used by Geofroy Tory in his *Champ fleury*, 1529, and the letter was there illustrated. Duerer, in his *Underweysung der Messung*, 1525, shows how to construct *Textur* geometrically, and also shows a plate of what he calls a "*freier*" *Textur*, in which the tendency to pointed feet is exaggerated, and the vernacular *Fraktur* is foreshadowed.

We may call this group rigid, because, given the formality of the design, there could be little scope for variation. There were variations in the matter of pointedness and narrowness and in the construction of the feet. The plates in Mr. Morison's *German Incunabula in the British Museum* give us a conspectus of the extent to which *Texturas* could differ. Contrast, for instance, the condensed letters of Michael Wenssler of Basle (Morison, pl. 32, 33) with the open type of Peter Drach of Speier (pl. 11, 34). The diamond-shaped heads and feet in some founts tend to be more pointed than in others, whilst the variations in colour or thickness of face are considerable.

<sup>1</sup> Reproduced in the *Trans. of the Bibl. Soc.*, March, 1929.

<sup>2</sup> L. Delisle, *Recherches sur la librairie de Charles V*, 1907, and J. Guiffrey, *Inventaires de Jean duc de Berry* (1401-16), Paris, 1894, 96.

Textura was the standard letter in Germany for Bibles and service books ; it is the type of the 42-line Bible, the 36-line Bible, the Mainz Psalter of 1457, and of all the early Missals. It continued to be used for such books throughout the fifteenth century and occasionally after 1500. But from the time when Ratdolt returned to Augsburg in 1486 and set out to print liturgies in the Italian Rotunda, Textura began to go out of favour, and by the period of the Reformation was almost restricted to serving as a title- or heading-type. In the Netherlands and in England two descendants of the original Textura had a longer life. The Dutch variation known as the Lettersnider type (with M 75 of Dr. Hæbler's *Repertorium*) had been used at Cologne before 1500, and its descendants remained a rival to roman in the Netherlands for many years. The old-established firm of Enschedé of Haarlem still possesses the matrices of a fount of Textura cut by Henrik Lettersnijder of Delft about 1490, and a second set of matrices is assigned to Cornelis Henriczoon, perhaps a son of Henrik. This second type was used in a book printed by the Brothers of the Common Life at Gouda in 1496. A third Textura of the fifteenth century in the possession of the Enschedés is considered to be of French origin. These must be among the oldest types in the world. The Lettersnider types were acquired by Johan Enschedé in 1767 at the sale of the foundry of Jan Roman en Comp (see their *Proef van Nederduitsche Letters*, Haarlem, 1925). Plantin had Flemish Texturas, of which there are reproductions in Updike, pl. 202, and in the following centuries many founts of "Flamand" or "Duits" were cut by the chief designers, such as Cristoffel van Dijk, Fleischmann and Rosart.

Most of Caxton's books are in types of another group, but his type 3 is a Textura. One word of this type is



found on the earliest sheet known to have been printed in England, the Indulgence of which a copy issued on December 13, 1476, exists in the Public Record Office.<sup>1</sup> Type 3 and its modification type 5, and also types 7 and 8, that is to say, one-half of Caxtons' stock were Texturas, and from them are descended the stock types of the second generation of English printers, Wynkyn de Worde and Richard Pynson (see fig. 2). The traditional Black Letter or English used in this country and shown in most of the type-specimen books of the Caslons, the Frys and the Figgins right down to the nineteenth century, is a small Textura and differs little from De Worde's type. Among the blacks acquired by the James foundry from the Grovers and appearing in their sale catalogue of 1782, one is actually described as De Worde's, but probably in error. As to the name by which this type should be described, English is also used of a size, while black emphasises a characteristic which is shared with most other gothic types and even some romans. Mr. Morison in the introduction to his *German Incunabula* has used the word Text as the English equivalent to Textura, and he has good support for this use. Mr. H. Jenkinson in *The Later Court Hands of England* uses the term and says that it was well-established in the fourteenth and fifteenth centuries. It is the name used by the calligrapher, John Baidon, in *A Book containing divers sorts of hands*, 1571, where from the illustration there is no question as to what sort of hand is meant. It was not merely a technical term, but is found in the literary language also. In *Love's Labour Lost*, v. 2, 42, we read: "Fair as a text B in a copy-book," On that passage Mr. Dover Wilson's glossary says: "The text hand was one of the more elaborate and formal of the various Elizabethan scripts." In the

<sup>1</sup> See *The Times*, February 7, 1928.





**I**han entred we into the way  
 Of great payne called diligence  
 wythout restyng I went alway  
 There founde I no resystence  
 These thre were ever in my presence  
 For the way was unknowen to me  
 I hasted me vnder theyr defence  
 That I myght there the soner be

Thus went we forth a lytell whyle  
 Of the way was I ignoraunt  
 My thre felawes dyd on me smyle  
 On me beholdyng wyth glad semblaunt  
 Than sawe I this castell fayre & plesaunt

Fig. 2. English Textura.

use of "Church Text," the term seems to have survived among ecclesiastical artists. However, in order to avoid confusion with the term "text type," in the sense of body type, it would be safer to adopt the Latinised form *Textura*.

The English variety of *Textura* has a consistent upper-case with M 32, although independent of the lower-case (cf. the blacks shown in the Caslon specimen books). It is not so strictly without curves as the German variety. Since the English printers used it as their ordinary standard type, they needed smaller sizes than are found among early German *Texturas*. *De Worde* had one size in which twenty lines measures only 53 mm. (about 7 pt.), and with the smaller sizes the counters became less angular, otherwise they would have been choked with ink. As to its use, it was only very gradually superseded by roman. The first Bible printed in roman was of 1575, while official proclamations were commonly set in *Textura* in the early part of the seventeenth century. The authorised version of 1611 was printed in *Textura*, and an edition as late as 1647. A Common Prayer of 1687 is also in the old letter, and for law reports, its use was preserved even later. An edition of the reports of the Court of Common Pleas of 1742 is the latest recorded in the British Museum Catalogue. We may perhaps date its final disappearance as an ordinary body type at the period of the Civil War. The Fell specimen of 1693 shows no *Textura*.

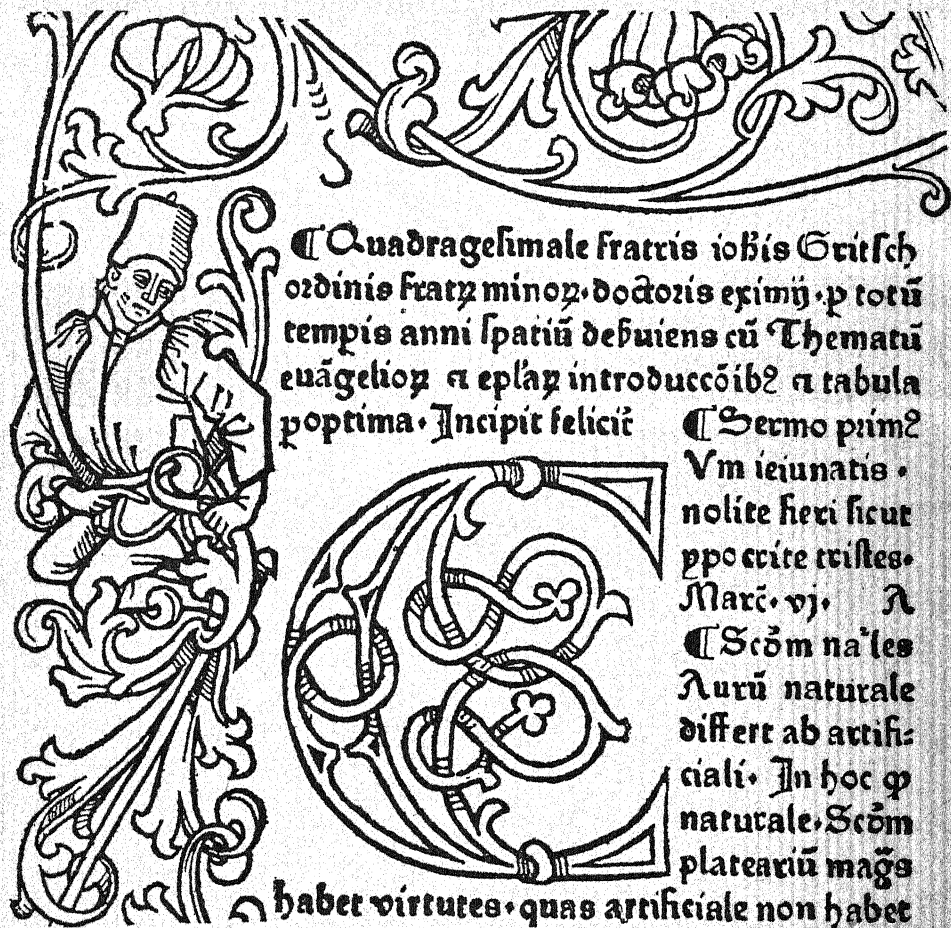
*Group B.*—For the printers of Latin texts, scholastic, theological or classical, the early printers cut a less formal letter, following, of course, the manuscripts. Passing over for a moment the types of the Mainz Indulgences of 1454 and 1455, the first of these less formal designs is the Durandus type of Peter Schöffer of 1459. This is a rounder and more open letter with

dei iudiciū euadē posse estimemus ammonem  
exemplo. h̄ hoc magis sentire nos ouenit. tam  
diu vnūquēq; dei paciētiā sustentare. quā diu  
pccōz suoz t̄minū fmēq; repleuēit. quo confu-  
mato eū illico pcuti. nec illi vllam rem iam  
reuari. Esse autē certū pccōz modū atq; mē-  
surā dei ipsius testimōio approbat. Et q̄ vnus-  
quisq; vel celerius vel tardius put pccōz suo-  
rum modū expleuerit iudicetur. euidentissime  
demonstrat quādo de sodomoz 7 gomorreoz  
interitu ac incendio qui sua iam peccata cōple-  
uerant ad abrahā deus loquitur dicens. Cla-  
mor sodomoz et gomorreoz plenus ē et pec-  
cata eoz magna vehementer completa sunt.  
De amorreis vero quid dicit q̄ sua nōduz pec-  
cata fmierāt. q̄s post multos ānos q̄ sup̄dicti  
ciuitates cremate sūt. stat eē deletos. Nōdū  
repleta sūt pccā amorreoz usq; adhuc. Quo  
exēplo manifestissimē instrum̄ et docem̄. singu-  
los scdm pccōz suoz plenitudinē cōsumari. et  
tādū ut cūtātur sustinei. quādiu cumulū suoz  
nō habuerint delictoz. Nō itaq; se fallat. nō  
se decipiat. malos deus nō amat. peccatores nō  
amat. iniustos non amat. rapaces. crudeles. et  
impios non amat. h̄ amat iustos. bonos. pios.  
huiles. innocētes. et mītes. sic sc̄ptuz est. Qm̄  
nō deus volens iniquitatē tu es. Nō habitabit  
iuxta te malignus neq; pmanebūt iniusticie

Fig. 3. Fere-humanistica.



descenders like roman, but with neither the serifs of roman nor the feet of Textura ; the descenders and the strokes which end on the line, including the long s, end bluntly ; the a is open as in roman ; the g has sometimes an open tail, but more often is shaped like the figure 8 ; the d is found in two varieties, one like roman and the other like the rounded gothic ; ligatures of the round forms such as b and d with e and o are a characteristic. The effect of the increased height of the ascenders and length of the descenders is to add to the amount of white on the page and to impart a lighter appearance in comparison with Textura. There is a greater differentiation of letters and therefore increased legibility. On the other hand it still has not the full roundness of roman. Its upper-case varies considerably, and in some cases is almost purely roman (see figs. 3-6). The letter shares some characteristics of the renaissance and others of the middle ages. Hence it has been called fere-humanistica or gotico-antiqua. This last name was first used by Dr. Alfred Hessel in an important article *Von der Schrift zum Druck* (Zeitschrift des Deutschen Vereins für Buchwesen, 1923, p. 89 seq.). The hand is gothic but with considerable roman tendencies. It was the formal book-hand of the earlier Italian humanists of the fourteenth century, and in particular of Petrarch. (It has even been called Petrarcaschrift.) Petrarch was a great collector of books, and in his day the collector had also to be a calligrapher, since in many cases he had to make his own book by copying a borrowed manuscript. Petrarch himself wrote out many manuscripts and for years supported young scholars in his house, whose chief task was that of a calligrapher. Manuscripts in Petrarch's hand and in the hands of his pupils have survived, and further, there are passages in his letters in which he



**Q**uadragesimale fratris iohis Gritsch  
ordinis fratrum minorum doctoris eximij. p totū  
tempus anni spatium debuiens cū Thematū  
euāgeliorū et eplāz introductōibz et tabula  
poptima. Incipit felicit

**S**ermo primus  
Vni ieiunatis.  
nolite fieri sicut  
prophete tristes.  
Marc. vi. **A**  
**S**cōm naturalis  
Aurū naturale  
differt ab artifi-  
ciali. In hoc q  
naturale. Scōm  
plateariū magis

**h**abet virtutes. quas artificiale non habet

Fig. 4. Fere-humanistica.



comments on the standard of penmanship which he desired.

The group of Fere-humanisticas is by no means so well-defined nor so easily recognised as the Texturas. The types differ considerably in weight and colour and the tendency towards roman is often more pronounced than in the Durandus type. The curious types used by Johannes Regiomontanus at Nuremberg and by Erhard Ratdolt in their Calendars have gone so far in that direction that they may be regarded as mixed types, belonging to neither group. The Subiaco type of Schweynheim and Pannartz has been called a Fere-humanistica, and it has also been called a roman. It is certainly not a pure roman, but it has a serif formation which is unknown to the normal Fere-humanistica. On the other hand some types of this group tend towards the Italian Rotunda or have Bastarda elements. None the less the grouping is valid and useful in typographical description. We may describe a particular type as a Fere-humanistica with Rotunda tendencies, if for instance it has the closed a and the trapezium-shaped g of the Rotundas, and thus give a picture of the type which is more exact than that given by a vague term such as "halb-gotisch."

The history of the group is a short one, for after one generation it was superseded by the Rotundas. But between 1459 and 1485 some of the finest incunables were printed in the types of this class. The *Catholicon* of 1460, many of Gunther Zainer's books and the books of the other early Augsburg printers, and the beautiful quartos of Ulrich Zell of Cologne, are examples. Schöffer had several types of this class, while Johann Mentelin of Strassburg and the early printers of Basle followed his lead. Outside Germany the group has fewer representatives. Gerardus de Lisa, a Fleming

Respondērunt milites: mulieres nescimus. ⁊ nos vultus mortui facti sumus p̄ timore angeli. Respondēt iudei. Viuit dñs: quia non credimus vobis. Respōdēt milites. Tanta miracula videntes iſm facere n̄ credidistis. q̄uo nobis credituri estis. Bene quidem dixistis. Nam vere viuit dñs quē crucifixis. Audiuius q̄ ioseph qui sepeliuit corpus iſu induxistis ī cubiculo sup̄ clauem signato. ⁊ apientes non inuenistis eum. date ergo nobis ioseph quem induxistis ī cubiculo. ⁊ nos dabimus iſm quē custodiuius ī sepulcro. Rñdērunt iudei. Ioseph dāmus nos. date vos iſm. Ioseph enī in ciuitate sua in arimathia est. ⁊ hiesus in galilea est sicut audiui⁹ ab angelo. Hoc audientes iudei adinuicem dicentes. timuerūt valde.

Fig. 5. Fere-humanistica.

printing at Treviso and other towns in the north of Italy, used a Fere-humanistica in the *Tesoro* of Brunetto Latini printed in 1475, and in a few other books.<sup>1</sup> In England the sole example is the first type used at Oxford by Theodoric Rood, but that is really a Cologne type, and has been identified with a type of Gerard ten Ræm. In France, the gothic used by Ulrich Gering, after he had left the Sorbonne and set up in the Rue St. Jacques, was a Fere-humanistica (see Claudin *Histoire de l'Imprimerie en France*, I, 61-63). A type of Barthélemy Buyer, the first printer at Lyons, used in 1477 in the *Miroir de la vie humaine faite par Rodorigue Hispaniol*, is of this class, but of Italian origin. It is type 99G of Wendelin of Speier, the first printer at Venice (cf. British Museum, *Cat. of Fifteenth Century Books*, V, 152). But oddly enough, the French appear to have been the only people who had a name for the group, the "Lettre de Somme." This term seems to be purely typographic and no earlier use than that of Tory in *Champ fleury* is recorded, and he does not describe the nature of the letter.<sup>2</sup> According to tradition it was originally used of the type of the *Summa* of St. Thomas Aquinas, of which an edition was printed by Schöffer in 1467 in Fere-humanistica. Fournier in his *Manuel typographique* uses the term vaguely of all the early standard types, including Bastardas, while the illustration which he gives of "lettre de somme" set up from actual type is in fact a small Rotunda. It appears then that in French printing offices the name had survived but not the letter. Succeeding French writers on typography, e.g. Auguste Bernard, followed by English writers, have used the

<sup>1</sup> See V. Scholderer in the *Trans. of the Bibl. Soc.*, December, 1929, Fig. 2.

<sup>2</sup> Wattenbach, 1896 edition, p. 297, says the term is used in the inventory of the library of the Duke of Berry, 1416; but this seems to be a mistake.



name with as little exactness as Fournier. It seems that originally the "lettre de somme" was a French printer's name for our Fere-humanistica.

In recent years we have seen several revivals of Fere-humanistica. William Morris's Troy and Chaucer types may be classed here. It is an indication of the change in the standard of legibility that Morris' archaic types



Fig. 6. Fere-humanistica.

have been attacked on the score of their obscurity, whereas the fifteenth century types on which they were based were chosen as text types for the very reason that they were the most legible of the gothic hands. A second revival is the re-cutting of one of Schöffer's Fere-humanistica by Herr Tieffenbach of the Officina Serpentina, of which a page was shown in the *Fleurbaey*, no. 4, p. 81, and for a third we may mention the Distel type cut for the Zilverdistel Press at the Hague. Mr. Updike (II, 222) says it "is intended to imitate old



Netherlands writing." Lastly the Ashendene re-cutting of the Subiaco type seems to justify even more than the original the inclusion of this letter among the Fere-humanisticas.

*Group C.*—The third main group of gothic types is the Italian Rotunda or Round-text as Mr. Morison translates it. Palæographers use the term "Bolognese letter" of a rounded letter used especially at the legal school of the University of Bologna. The variety which prevailed in Italy by the time of the introduction of printing was either derived from the Bolognese letter or closely related to it. The advertisement sheet of the calligrapher, Johann vander Hagen, includes a *Textus Rotundus*. Dr. Hessel has adopted *Rotunda* for this important group which has hitherto lacked an accepted name. German printers of the fifteenth century, e.g. the Brothers of the Common Life at Rostock, used the phrase "*Litteræ Venetæ*" of the gothic founts brought or copied from Italy, that is, our *Rotundas*. From the British Museum *Catalogue of Fifteenth Century Books*, we find that Eucharius Silber at Rome described a small *Rotunda*, which he appears to have acquired from Adam Rotweil of Venice, as "*littera Veneta*." Venetian to a modern printer means roman in the style of Jenson, but in fifteenth-century typography Jenson's *Rotundas* had a much wider vogue than his roman. The name used by the Italian writing masters of the sixteenth century was "*littera moderna*," modern possibly as opposed to the roman, *antiqua*; but it may be that the name was in use at an earlier date, and that the ancient letter suggested was the pointed or formal *Textura*, which has a history longer by several centuries than that of the *Rotunda*. In contrast with *Textura*, *Rotunda* is full of curves, e.g. the b, c, d, e, h, o, etc. The feet of *Textura* have in part disappeared, cf. the m, the third

# Vorrede in das Bairisch lantrechtbüch.



Ir Ludwig von gottes genaden Mar/  
graue zu brandenburg. Wir Stephan.  
Wir Ludwig. Wir Wilhalm von gottes  
genade Pfaltzgraf bey rein vñ Hertz/  
og in bayren ic. Habē angesehen deli ge/  
prestē den wir gehabt haben in vnserem  
lande zu bayren an dem rechten. Vñnd  
dauon sey wir zu rat wordē mit vnserm hertz vñ vätterlein  
kaiser Ludwigē vō rom. Vñ setzen vñ bestättigē alles das  
hernach geschriben steet nach seinē gebot vñ haissen vnse  
rem land zu bairn zu fuderūg vñ zu sūderē genaden. Das  
ist geschehē do man zalt vō cristi gepurt dreuzehenhūdert  
vñd in dem sechfund viertzigsten jar des nächsten samst/  
tags nach dem obersten ic.

## Wie man dz recht behaltē sol.

**D**A von gepieten wir bey vnseren hulden allen vn/  
seren Richtern vñd Amptleuten in vnserem lande  
zu bayren überal in stetten vñd merckten vñnd auff dem  
land Das sy die selben recht also behalten bey iren ayden  
die sy vns oð vnserm vitzumb darumb schweren müssen  
Vñd das sy darnach von wort zu wort. von stück zu stücke  
armen vñd reichen vngewerlich richten sollen.

**D**as ist das rechtbüch also gancz vñd alt gepefferet.  
vñd auch neuē artickel gesamlet. auß allen gerichtē stettē  
vñd merckten nach des kaisers haissen.

limb of which only has a foot. In contrast with Fere-humanistica it is without the tendency to roman, the a is closed, and the ascenders and descenders are shorter. In the g the bowl often takes on the shape of a trapezium (see figs. 7, 8 & 9). It is familiar to us in the gothics of Jenson and Ratdolt; Ratdolt's specimen sheet, so often reproduced, is convenient for reference. In Germany it makes an isolated appearance with Koelhoff at Cologne in 1472, but becomes common only in the eighties. Towards the end of the century its larger sizes vied with Textura for use as heading types and in liturgical works, while the smaller sizes took the place of the Fere-humanisticas, and finally became the stock type in Europe for theological, legal, and scholastic texts. Though round, Rotunda was not so broad as Fere-humanistica and was thus more economical. There are many fine books printed in Rotunda, but it suffered degradation by the end of the century and the stock type in this style used throughout Europe, c. 1500, is surely the most uninteresting of all early types.

Rotunda, as we have said, was the Italian form of Textura, and in fact what is now believed to have been the first book printed in Italy was set in Rotunda. Dr. Häbler in *Die italienischen Fragmente vom Leiden Christi das älteste Druckwerk Italiens*, Munich, 1927, has described a recently discovered text in Rotunda, which he considers to have been printed in Northern Italy not long after 1462. The type is connected with that of a calendar for 1462 printed at or near Vienna. Rotunda was also the national hand of Spain and the only gothic type of the Spanish printers. The fine bold lettering of their titles shows how well fitted Rotunda was for the purposes of display. It ultimately gave place to roman in Spain but was revived in the Spanish Netherlands by the Imperial typographer, Christopher Plantin, who had a



In laudem operis huius praeclari a Johanne  
de monte regio editi germanorum decore et nostrae  
aetatis astronomorum principe Jacobi Sentini  
Ricinensis Carmina



Esperides hortum varium te  
nullae puellas.

Omnis et hesperia gra-  
tiaque turba canit.

In quo fulva limba ramis  
fulgentibus arbor

Debebat dominis  
aurea poma suis.

Mortuus ille mihi liber  
est hic (crede) latinis

Nam non est toto hoc di-

cuius si flava cupies ex arbore lector / nos or-

Una poma leges aurea mille die. / beliber

Aureus hic numerus quod tanto nomine dignum

Efficit caesar iulius auctor opus.

Tempora romani gentes quibus aera ferebant

Quae proprium nomen inditionis habent.

Intervalla cycli sunt hic et apollinis alti

Monstratque et domini littera certa diem:

Hinc phaetonteos poteris cognoscere motus

Motus et phoebes hinc tibi nosse licet.

Adde etiam phoebe pariter lunaeque labores

Quos qui scire volent hinc bene scire queunt

Hic tibi vel titan cum iungitur ipse sorori

Oppositusve manet conspiciendus adest.



fine "Canon d'Espagne" cut for a Spanish Antiphonary, which was apparently never printed (cf. Updike, fig. 197). In France, up to the generation of Robert Estienne and Geoffroy Tory, Rotunda was the normal type for all works in Latin, and for legal texts down to the middle of the sixteenth century. The Compagnie des Libraires at Lyons, a combine of publishers engaged principally in the production of law books, as late as 1555 printed a large folio volume of the *Consilia* of Cardinal Nicolaus de Tudeschis in this traditional letter.

In England, Rotunda was always an alien letter. Lettou's type (cf. Gordon Duff, *Fifteenth-Century Books*, 1917, pl. xxii) was of Roman origin. Both De Worde and Pynson had small Rotundas which they used for notes with their usual Textura. The Rotundas of Robert Redman and of Thomas Berthelet were apparently the last to be used in this country. Redman's excellent type may be seen in an edition of the *Great Charter* printed by his widow, Elizabeth, in 1540. Berthelet had four Rotundas which he used down to 1544.

For these two groups (b and c), we have used two new terms borrowed from recent German studies in palæography. The advantage of an exact nomenclature for a group of types is obvious. It is maintained that by describing a type as a Rotunda of such and such a size a fairly accurate impression can be conveyed to the reader. Dr. Hessel and other German writers have helped the study of gothic typography by giving us a working vocabulary, a vocabulary which is more economical in words and more illuminating than the vague descriptions of early types to which we have hitherto been limited. For example, Mr. Updike in his *Printing Types* says of a Rotunda of Koberger's of Nuremberg, "a type less pointed than the first gothic types" (fig. 16); again a gotico-antiqua,

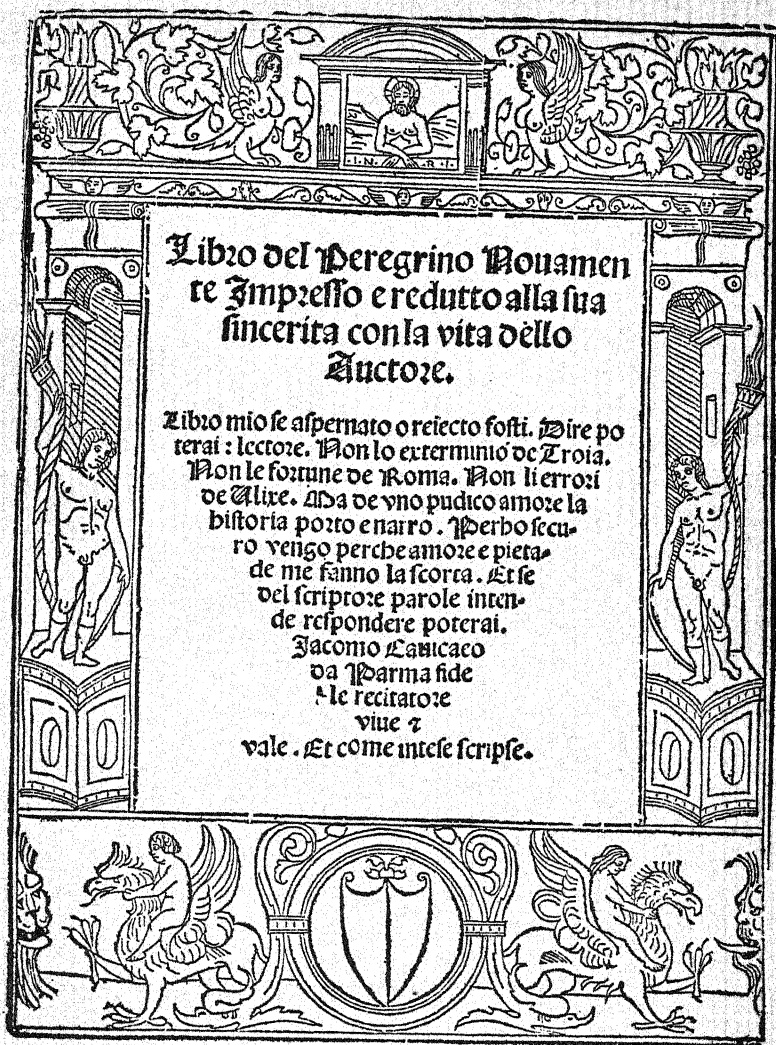


Fig. 9. Rotunda.

according to Hessel, with bastarda elements, of Mentelin of Strassburg (fig. 21) is described as "semi-gothic." Ulrich Gering's first gothic, another Fere-humanistica, is "a gothic fount of transitional character." Of De Worde's Rotunda (fig. 66) Updike says "the smaller has a round quality which is a little like the Italian gothic types of the time." Lettou's Rotunda (fig. 68) is "like the transitional gothic type"; Gordon Duff called this type "a small Italian gothic." Of a Rotunda of Berthelet's (fig. 281), Updike writes: "Midway between bâtarde and lettre de forme." In Reed's *Old English Letter Foundries* the same type is described as "a curious semi-gothic"; the only thing curious about it is its appearance in England.

*Group D.*—The vernacular types or Bastardas.

The name Bastarda applied to a hand is found on the sheet of Johann vander Hagen, and considerably earlier, but again it has not been used in typography, except in the case of the French variety, the "lettre bâtarde." A bastard script is current or cursive, written quickly and without the deliberation of groups A-C. It is further characterised by its descenders running down to points, including long s and f, while the ascenders are frequently looped. A typical letter is the a, which like our italic a, is what the Germans call "einstöckiges," one-storeyed; the g has the tail open. The earliest founts of this group are the small types of the Mainz Indulgences of 1454 and 1455, one of them being more thoroughly bastarda than the other; the 30-line Indulgence has s and f with pointed descenders, the 31-line has not. German early Bastardas vary considerably in respect of pointedness and of colour. The type of Hans Schönsperger's *Sachsenspiegel*, Augsburg, 1482, is a black and round letter, while that of Koberger's German Bible, Nuremberg, 1483, is more pointed and much





Barthelemy

rologue de la  
ratif de la matiere  
De ce present liure  
appelle le faulco.

**P**our faire passer tēps aux sei/  
gneurs dames escuiers et damoi/  
selles q̄ voulētiers oient parler du  
debut de chiēs doisseaulx ⁊ d'amours  
J'ay entrepris mettre par escript ung  
cas puis certain temps adueni en frā  
ce de deux gracieux amoureux. Cest/  
assauoir ung hōnest gentilhōme Et  
une noble damoiselle Lesquelz cōbien  
qu'ilz sentroy massent leaulmēt eurēt

Fig. 10. Lettre Bâtarde.



lighter in colour. The first has more in common with Schwabacher and the second with the later Fraktur.

The Bastardas, or at least the gothic Bastardas, were confined to the countries north of the Alps, and the chief variety outside Germany was the national French hand, the lettre bâtarde (see fig. 10). The inventory of the library of Charles V made early in the fifteenth century, already referred to, offers examples of the use of the term. All books in French were written in this bâtarde, and when Pasquier Bonhomme printed at Paris in 1477 *Les grandes croniques de France*, he naturally cut a "lettre bâtarde" for the text. The long series of popular books in the vernacular published by Antoine Vérard are all in this letter, and as late as 1530 we find Simon Du Bois printing devotional works of a protestant tendency in bâtarde. Du Bois was employed by Geofroy Tory to print one of his Books of Hours in bâtarde in 1527, but Tory's own book *Champ fleury*, in which a plate of the "lettre bâtarde" is shown, is set in roman, although written in French. Even after 1530 many French books, especially romances, were still set in bâtarde by printers like the Bonfons at Paris, and Claude Nourry and Oliver Arnoullet at Lyons. However, the renaissance hands won their way in France, and we find that Jean de Tournes, who began printing in 1542 at Lyons, had no bâtarde nor any other gothic types. Fournier's bâtarde shown in the eighteenth century was an historical curiosity.

In design this French hand has all the characteristics of Bastarda as described above. It belongs to the rounded rather than the pointed group, and has one characteristic letter in the lower-case, the initial v with a superimposed loop. The upper-case varies considerably and is often not different from the upper-case of a



Rotunda. The letter is found also in the other French-speaking countries, for example, at Geneva and at Antwerp, and even in Germany Marcus Reinhard, a German who had worked at Lyons, printed at Kircheim in Alsace from 1490 with a French bâtarde, Books of Hours in Latin and even tracts in the German language. In the Netherlands there was also a local variety of this northern Bastarda, the Burgundian, of which a fine example was used at Bruges by Colard Mansion about 1475 in *La Controversie de noblesse*, and several other books. The book which he printed with Caxton, *The Recuyell of the Historyes of Troy*, the first book printed in the English language, is set in a similar type, known as Caxton's type 1, less restrained and altogether inferior. Caxton's second type, presumed to have been cut by Mansion, with which he began to print in England, is again of the same family, but marred by the excessive number of its loops, by many bad-combining letters and a miserable w. French printers needed no w, and English printers, having no model before them, failed for many years to design this letter in a satisfactory manner. These Burgundian Bastardas, familiar to us in the majority of Caxton's books, and in the books of the St. Albans printer (see fig. 11), are of historical interest, but as types quite the worst of their class. Pynson did better when he introduced the French "lettre bâtarde" and his *Dives et Pauper*, 1493, set in this letter, is one of the best English incunables. Caxton's Burgundians did not survive into the sixteenth century, and the French "lettre bâtarde" persisted only in editions of the Statutes and legal works, often written in Norman French. Rastell's *Grete Abridgement*, printed about 1535 by Robert Redman, is one of the latest examples. The bâtarde can be traced in the books of Thomas Berthelet, who had two founts and used them



not only in law books, but in many of his general publications, down to 1543.

The French "lettre bâtarde" then passed out of use about the middle of the sixteenth century; but in Germany the Bastarda has remained the national type, at first in the variety known as Schwabacher, and afterwards in the more familiar Fraktur.

### SCHWABACHER

The particular variety of Bastarda used by Friedrich Creussner at Nuremberg from 1485 (his type 4) became the most popular German type for books in the vernacular and received the name of Schwabacher. From a passage quoted in the "Archiv für Geschichte des Deutschen Buchhandels," X, 142, it appears that the term was in common use among printers by 1576, and must have originated many years earlier. Why the little town of Schwabach in Bavaria, where there was no printing or typefounding in early days, should have given its name to this group, has not been satisfactorily explained. (See figs. 12, 13.)

Schwabacher has the usual Bastarda characteristics, the closed, one-storeyed a, and pointed descenders to s and f; the tail of the g is open; the b, d and h are sometimes looped and sometimes not. The design of the upper-case as well as that of the lower-case is fixed, with some few variations. In all the earlier gothic founts the variations among majuscules are so numerous as to defy classification. The upper-case was a separate fount, often revealing little attempt at harmony with the lower-case. But with these later Bastardas we can take account of the capitals also in defining groups. In fact the group called the Upper-Rhine type is in its later history distinguished from Schwabacher by variations in some few capitals only. In Schwabacher the M is



Hæbler's M 81; other traditional capitals are A and S. Finally in colour, throughout its history, the letter was essentially black.

There were roughly only three sizes of Schwabacher, of which the middle size, about 90 mm. to twenty lines, or 12 to 13 pt., was the usual standard type. The larger size, about 106 mm. or 15 to 16 pt., was used for folio Bibles and historical works, e.g. those of Heinrich Steyner of Augsburg with the Weiditz illustrations, and to a large extent also for news-tracts. The smaller size, about 78 mm., is perhaps less common. It is remarkable that we do not find gradations up from the 11 pt. to the 16 pt., but three definite groups in size. There are, of course, exceptions, e.g. Köpfel at Strassburg printed in 1538 a Bible in double columns in a Schwabacher measuring only 46 mm. to twenty lines.

Of the three German Bastardas which preceded Fraktur, Schwabacher was easily the most widespread. In Nuremberg, where it originated, it is all but universal. Stuchs was the only printer of any importance who used an Upper-Rhine type. In Augsburg the standard types are divided about equally between Schwabacher and Upper-Rhine types. In the towns where the Upper-Rhine type, e.g. Strassburg, or the Wittenberg letter predominated, we always find as well Schwabachers of the middle size, while for the smaller and larger sizes Schwabacher was almost the only vernacular type. The letter was occasionally used in the Netherlands, e.g. by Cornelis Hendriczoon at Delft in a *Nieuw Testament* 1524 (a curiously light design) and by Johan Hoochstraten at Antwerp in Bugenhagen's *Souter*, 1526. The few English books extant, printed wholly or in part in Schwabacher, were probably printed abroad.

Schwabacher, together with its variant the Upper-Rhine type, remained the standard German text type

Ode Saphica Endecasillaba dicolos  
tetraastrophos contrahi celtis prospho  
netice et simbulerice. Ad fridericuz ter  
cium inuictissimum.

Phebe ripheos adituro montes  
Explicans noctem breuioris umbris  
Lenta sub celo rigidis reformas  
Gramina campis

Thaurus arctoo propior: coluro  
Oritur tecum referens tepores  
Cum vagas sentit pliades aduri  
Lumine phebi

Repparat vultus roseo decore  
Mundus: et plaustri sinuans utruq;  
Anguis algorem positurus optat  
Sole nouari

Terra profuso madidans humore  
Parturit leros rubicunda flores  
Nauigant strato relegendo merces  
Equore naute

Non minax vasto boreas egeo  
Obuius seuit violenter austro  
Sorte luctando timida mouentes  
Prelia ponto

Sed per extremas agitated oras  
Spirat in terris Zephyrus repenti  
Sustitans flatu taciti sepulta  
Semina mundi

Sentiunt gratas animata curas  
Sedus asciscunt sobulis creande  
Qua sub eterno stabilitur orbis  
Temporis euo

Fig. 12. Schwabacher.

down to about 1550. It was a quarter of a century before Fraktur became at all common except in headings. In the second half of the century Schwabacher gradually declined into its ultimate position of a secondary type, used in much the same way as italic was used with roman. German type-specimens of the seventeenth and eighteenth centuries continued to show Schwabachers along with the Frakturs, but in much smaller numbers. One result of its neglect in comparison with Fraktur was that the original design remained undisturbed. Whilst the popular letter was subjected to various experiments, ending in the pallid faces cut by Unger, the Schwabacher of the eighteenth century had changed little from the first fount of 1485. Unger, in fact, expressed a violent dislike to this letter and declined to concern himself with it; for purposes of emphasis he recommended wide spacing rather than the employment of Schwabacher. The Enschedé's specimen of *Die Hochdeutschen Schriften*, 1919, illustrates the development of Schwabacher for several centuries. In the latest example shown, that of the Leipzig type-founder, Breitkopf, dated 1765, there is a certain refining of the thin strokes; but the only specimen in which any attempt is evident of experimenting with the traditional design is an eighteenth century type, Corpus in size, which is described as of unknown origin. German printers of to-day have revived Schwabacher, and it is now being used to a greater extent than at any time since the sixteenth century.

### THE UPPER-RHINE TYPE

The second definite group of Bastardas has in modern days been given the name of the Upper-Rhine type from the district in which it originated, and was principally used. The earliest founts of the class are found



Von eim vogler den ein schlang verletz.



**E**n vogler nam mit jm sein vogelgarn/vnd gieng vß zu voglen/ Vnd als er sach ein blöchtäub vß dem baum sitzen/ stelt er vnd ordnet künstlich die ruten/vñ hub sie mit dem garn heimlich zu dem vogel/ hoffte er wolt in also fahen. Do er das also thet/ in die höhe auffsehend/ trat er auff ein

schlang/die wart bekümmert vor schmerzen vnd beiß den menschen. Do er nun erlag/ sprach er/ Ach mir armen/der ein andern fahē wil/ vnd ich von eim andern troffen vñ vergiftet/ stirb also. Dise fabel zeigt an die betrüglichen menschen/we'che dick jr vßsetz verbergen/vnd doch von andern das leiden,

Von eim warsager dem auch sein gut gestolen ward.



**E**n weyßsager saß auff dem marckt vnd warsagt. Zu dem kam einer zittern vnd verkündet jm das die thüren seines huses zerbrochē weren/vnd alles genommen das jm huß wer. Do er küßzet der warsager vnd eilte heim. Den sahe einer lauffende an/vñ sprach/ O du narr/ der ander frembd geschefft dich nimpst an zu weyßsagen/vnd hast dir selbs nit ges

Fig. 13. Schwabacher.

with Ludwig Renchen at Cologne (1484), with Peter Schöffer at Mainz, the Breidenbach type, and with Johann Grueninger at Strassburg in the same year as the first Schwabacher, 1485. In the lower-case the design differs from that of Schwabacher by the presence of more looped ascenders; in the upper-case the chief distinguishing letter is the M, Hæbler's M 44. In fact the M is the test letter, by the presence of which a type is included in the group. The H is only exceptionally the usual Schwabacher form. In size nearly all Upper-Rhine types are round about 90 mm. to 20 lines, never much smaller and only rarely of a large size. Sigmund Grim at Augsburg had a fount of this class measuring 111 mm., but usually the larger founts were pure Schwabachers.

This grouping is not altogether satisfactory, because in fact the Upper-Rhine type is not essentially different in design from Schwabacher. J. Wegener in *Die deutsche oberrheinische Type*, 1909, has traced the group down to 1550, taking as his basis M 44, and many of the founts in his list differ from Schwabachers solely by the occurrence of this M. Even in the fifteenth century we find a type like that of Conrad Kachelhofen at Leipzig (see *Ein Buechlein von dem Sterben*, 1494), which is simply a Schwabacher with M 44. The looped ascenders found in Schöffer's and Grueninger's types tend to be eliminated, with the result that the lower-cases of these two Bastardas become identical. Grueninger certainly kept his looped ascenders down to the end of his career in 1532, but the majority of the sixteenth-century Upper-Rhine types are not especially marked off from Schwabacher in this respect. Two series of types should not be divided because of differences in one or two capitals. The Upper-Rhine type is a convenient sub-group within the larger Schwabacher

group. It seems probable that to a sixteenth-century printer, who had not heard of M 44, a type of this group would have been known as a Schwabacher.

As its name implies, this Bastarda was used principally in the Rhineland towns from Mainz southwards, with a few examples at Cologne. It was common at Basle and is found in the books of Christopher Froschouer of Zurich.

### THE WITTENBERG LETTER

The next Bastarda group is a genuine classification with some marked differences in design. It was of much more local use than the others, and mainly confined to Wittenberg and the neighbourhood, whence the name. Actually it appears first at Leipzig at the press of Melchior Lotter, his type 11, in 1508. Lotter was afterwards at work in Wittenberg, where his type came into general use. The M is Hæbler's M 48. In the lower-case the distinguishing characteristic is the shortness of the ascenders, resulting in a comparatively large-faced type. Wittenberg letters vary little in size, they measure round about 95 mm. to 20 lines, that is to say, they are much the same size as the medium sizes of Schwabacher and Upper-Rhine type. The fact that the Wittenberg letter looks bigger is a matter of height of ascenders. For the same reason a page in this letter has an unusually close-set appearance. It seems to be confined to Wittenberg and Leipzig and the towns in that neighbourhood, such as Dresden, Magdeburg and Erfurt (see fig. 14).

### FRAKTUR

The fourth Bastarda group is the last to appear in type, but historically the most important. The sheet of Vander Hagen shows that a hand called Fraktur,



meaning broken, was in use before 1450, and Wattenbach gives instances of earlier uses. The hand in the design to which it had evolved early in the sixteenth century was also called "Kanzleischrift." In modern days it has been called "gebrochenes" in an attempt to avoid a Latin word, and also "Deutsch." Certainly no type has a better claim to be called "The German Letter." The writing master Johann Neudörffer, who showed the letter in his calligraphic books, gives some account in his *Nachrichten* of 1547 of the early Fraktur types. From him we learn that the designer of one of the first Frakturs, the Teuerdankschrift, was Vincenz Rockner, and the cutter Hieronymus Andreae, Formschneider, afterwards Duerer's printer. Duerer was certainly closely connected with the originators of the new Bastarda, but there is no evidence that any of the designs are due to him. His three last books, *Underweyssung der Messung*, 1525, *Etliche Vnderricht zu Befestigung der Stett*, 1527, and the *Vier buecher von menschlicher Proportion*, 1528, are all printed in Fraktur, and in the *Underweyssung*, he shows a Textur with a decided leaning towards Fraktur. Neudörffer says also that he himself designed a Fraktur for Formschneider.

In design Fraktur is a narrow and pointed letter. The lower-case is foreshadowed by some Bastardas of the fifteenth century (cf. fig. 19 in Updike). There is a marked difference from Schwabacher in the width of the letters and also in the serif formation of the ascenders. In Schwabacher the b, for example, is not looped, ends bluntly, but in Fraktur the ascender runs up to a point. The upper-case is essentially a calligraphic letter, further removed from early gothic than is Schwabacher. The loose ends of the capitals have been aptly called by the Germans "Schnörkel," elephants' trunks. The comparison is certainly helpful.

Vnd ap wol/hertzog Zeinrich/bis an diese zeit/alles was sich zu  
recht vnd billigkeit eygent/gegen mir vbergägen. Daß ich mich doch  
vorsehen/er wurde sich schemen vff blossen vnerfintlichen wortten/ane  
bewerung zubehalten/vind des grundt zubefinden. Als der durch  
leucht hochgeborne furst vnd her. her Georg hertzog zu Sachsen zc.  
Mein gnediger herre/sampt genannten hertzog Zeinrich/in iren sache/  
von Bischöffen. Prelaten/Bisassen. Ritterschafft.vnd Stetten dieser  
lande etzliche personen am Ditwoch nach sandt Bartholomeus tag  
zur Numburg. versamelt gehabt/vff die zeit/hab ich mich schriftlich  
erbotten/vor denselben/mein gnedigen gunstigen hern vnd freunden/  
desmals/ von hertzog Zeinrichen bewerung seiner/mir vffgelegten/  
ertichten wort/ezugewartten/im auch/vmb alles anders/was er wi  
der mich vffzubringen wisse/antwort/vnd alles was mir von Ere vnd  
recht wegen eygent/ezupflegen. Es ist aber vonn hertzog Zeinrichen  
nicht angenomē/wie bestendig seine wort daraus befunden/wie rumb  
lich sein begynnenn zuachten ist./as ich in aller fromen menschen be  
trachtung bleiben. Vnd ist mir leydt/an im zubefinden/des sich bis  
an diese zeit/alle andere erliebende menschen gesehmet. Als auch her  
zog Zeinrich vor dieser zeit/vff mein vleyßig ansuchen/seins vffles  
gens halben/mir vor seinen Reten/recht czupflegen/geweygert/wye in  
nechster meiner schriftt, so ich vor dieser/hab aufgehen lassen/gerlich  
angezeit ist/ich auch in derselben schriftt vil vbergleicherechtsbietung

Fig. 14. Wittenberg Letter.

The net result of these Schnörkel and of the pointed ascenders in the lower-case is a spiky and restless design and a design decidedly inferior to Schwabacher. Two reasons may be given for the ultimate defeat of the better design by Fraktur. Just as Rotundas had driven Fere-humanisticas out of the printing offices, because they were more economical of space, so again the narrower Fraktur appealed to the printer's pocket. The second reason is that the printers after 1550 actually seem to have preferred the fussiness of the new letter. The exaggerated use of it on title-pages is evidence of this preference.

Between 1513 and 1524 eight varieties of Fraktur were cut. First were the three cut for the Emperor Maximilian's printer, Hans Schönsperger, of Augsburg. We have already mentioned that one was designed by Vincenz Rockner and cut by Hieronymus Andreae. The first, known as the Gebetbuch type, was used for the *Liber Horarum ad vsum Ordinis Sancti Georgii*, which appeared on December 30, 1513, from Schönsperger's press. R. Kautzsch in his *Entstehung der Frakturschrift*, 1921, suggests that Schönsperger may have cut this first design. The second, the Teuerdankschrift, appeared in 1517, and in the same year also we find the third and smallest, the Gilgengartschrift. The fourth in date is the unusual type, in two sizes, of Grim and Wirsung at Augsburg (Proctor's types 12 and 14). In 1522 appeared the first Fraktur in the design which became traditional, that of Hieronymus Andreae of Nuremberg, designed by Neudörffer. The text on Duerer's *Triumphwagen*, dated 1522, is in this type, and later Duerer used it for the three books already mentioned (see fig. 15). Lastly, in 1524 we have the designs of Cranach and Döring at Wittenberg, that of Wolfgang Köpfel at Strassburg, and that of Johann Petri at Nuremberg.





urchleuchtigster großmechtiger Künig gnedigster her/Von wegen der  
genad vnd guethat / so mir von weilond dem aller durchleuchtigsten  
vnd großmechtigen Kayser Maximilian hochlöblicher gedechtnuß erwer  
Maiestat herren vnd großvater beschehen ist/erken ich mich der selbst  
mit minder dan gemelter Kayserlichen Maiestat nach meinem geringen  
vermögen zudienen schuldig sein/Dieweil sich nun zu dregt das E. Mt.  
etlich freet vnd flecken zu besetigen verchsafft hat/bin ich verursacht  
meinen geringen verstandt derhalb an zuzengen/ob E. Mt. gefellig sein  
wolt / etwas darauß ab zunemen/Dann ich dar für halt / ob mein an  
zeygen nit an allen orten angenommen werd/müg dannoch züm teil  
was nuß daraus entspringen / nit alleyn E. Mt. sonder auch andern  
Fürsten/herren/vnd setten/die sich geren vor gewalt vnd vnwilliger be  
drangung schützen wolten/pit darauß ganz vnterreniglich. E. Mt. wölle  
die erzeygung diser meiner dinstparthey gnediglich von mir annemen  
vnd mein gnedigster herr seyn.

E. K. Mt.



Fig. 15. Nuremberg Fraktur, 1522.

In spite of these eight designs it was quite a generation before Fraktur became a serious rival to Schwabacher as a text type. The three types of Schönsperger rapidly became popular as heading types, but there are few books printed wholly in any one of them. The Gebetbuch type was naturally from its size unsuitable for any purpose except headings. Steyner's later edition of the *Tuerdank*, 1537, is printed in Schwabacher. The Gilgengartschrift was used for Schönsperger's New Testament of 1523 and again in Luther's *Ain betbuchlein* of the same year. It is found also in at least two unsigned books of Steyner's, *Anzaygendt Newzeyttnung wie aygendtlich mitt der schlacht von Pavia . . . gefallen ist*, 1525, and in 1538 in *Von der erpürmlichen ellenden bartwiderpringlichen auch der gantzen Christenheit*, etc. Melchior Rammingen took the strange course of using the upper-case of the Gilgengartschrift with the lower-case of his usual Upper-Rhine type (see his edition of Luther *Vonn dem hailigen leyden Christi*, 1524, and many other tracts). Grim and Wirsung used their Fraktur only till 1522, for the most part in signed works; their unsigned Luther tracts were printed in Schwabacher.

Turning to the Nuremberg Frakturs, the assumption that Duerer's printer was Hieronymus Andreae, Formschneider, is borne out by the fact that some of the editions of Duerer's works printed in the years following his death, set in the same types, bear his name; for instance, the Latin edition, *De varietate figurarum et flexuris*, 1532, has the imprint "Impensis viduae Duerianae per H. Formschneyder." Further, other books printed in the same types (there were five sizes) contain Formschneider's imprint, for example Hans Gerle's *Musica Teusch auf die Instrument*, 1532, and a book well-known for its wood-cuts by Michael Ostendorfer, *Warhafftige beschreibung des andern Zugs in Oster-*

*reich*, Gedruckt zu Nuremberg durch Hieronimum Formschneyder, 1539. Besides a number of unsigned books in the same Fraktur, there is one book, *Eyn wunderliche Weyssagung von dem Bapstum* which reads in the colophon "Gedruckt durch Hans Guldenmundt." Other books printed by Guldenmundt are in Schwabacher.

The second Nuremberg printer who designed Fraktur was Johann Petri. In 1525 he issued a printer's specimen-sheet showing besides his other types three sizes of his new design. The two smaller sizes had already appeared in a Psalter of 1524, a reprint of the Wittenberg Psalter of the same year. The largest size, a 36 pt., rather like the Gebetbuch type, was without capitals, and appears as the main text in, I believe, only one book. *Der Psalter teutsch* of 1525 is perhaps the most remarkable of all the early books in Fraktur. The headings are in Petri's second size, about 14 pt., and the capitals belong to a Rotunda. This type is not included by Crous and Kirchner<sup>1</sup> in their list of early Frakturs. Of other books printed entirely in the second there are the *Türcken belegerung der statt Wien*, 1529, and a Hans Sachs, *All Römisch Kaiser nach ordnung*, etc., unsigned. The smallest size appears as the main text in *Burgermeister von alter her bin ich genant*, unsigned. As heading type, Petri made use of the Gebetbuch type rather than his own design.

According to Crous the Wittenberg Psalter in Luther's translation of 1524 was printed by Cranach and Döring. The type appears again in an unsigned book of 1525, B. Gretzinger's *Eyn vnüßwintlich beschirmbüchlyn*, but only for the register. *Die Epistel an die Colosser*, of 1527, bearing the imprint of Simphorian Reinhart, is set entirely in this Wittenberg Fraktur.

<sup>1</sup> *Die gotischen Schriftarten*, 1928.



Wolfgang Köpfel, of Strassburg, printed a New Testament in 1524 in a Fraktur measuring 95 mm. to 20 lines. Some of the type appears on the title-page of Casper Hedio's *Von dem zehenden zwo predig bescheen im Munster* and in Catharine Zell's *Entschuldigung*, etc., both of the same year. In January of 1525 Christoph Rudolff's *Behend vnnnd hübsch Rechnung* is set entirely in the Fraktur; but at no time did Köpfel make more than occasional use of the type.<sup>1</sup>

The Wittenberg and Strassburg Frakturs were like the design of Formschneider of Nuremberg which, as we have said, became the traditional Fraktur. When Sigismund Feyerabend at Frankfurt in 1560 printed the German Bible in Fraktur, Schwabacher was doomed. By that date Frankfurt had become the centre of the German book-trade, and the publications of Feyerabend show that Fraktur had become the fashionable type for books in the German language.

Even before it became the normal text type, Fraktur had won popularity as a heading type. The type-designers exaggerated the Schnörkel of the upper-case for the purpose of decorating title-pages. But this exaggeration was not found to be enough, and full satisfaction could only be obtained by cutting the titles

<sup>1</sup> Other printers who used Frakturs as text types by 1535 were Philip Ulhart at Augsburg (see B. Vogter *Ain nutzlich . . . Artzney Büchlin*, 1531), Mathias Apiarius at Strassburg from 1531 (see several tracts by Martin Bucer), Georg Ulrich at Strassburg (see *Die new welt, der landschaften vnnnd Insulen*, etc., 1534, a book printed in double columns in a small size of Fraktur, 20 lines measuring only 71 mm.), Melchior Lotter at Leipzig (see G. Wicelius *Sieben psalmen*, 1534, and other tracts by Wicelius). The same type was used by Hans Lufft (see *Auslegung D. M. Luthers vber den Sechs vnd dreissigst Capitel des Propheten Esaias*, 1535), whilst N. Schirlentz used a larger size in *Ausschreibunge eines heiligen freyen Christlichen Concilij*, 1535, and lastly Weygand Han at Frankfurt (see Johann Adelphus' *Keyser Friderichs des Ersten . . . löblich geschichten*, 1535).

on wood. Crowded title-pages are familiar in seventeenth-century English books, but the lack of restraint implicit in Fraktur allowed the German printers to go a step further and to produce the very worst title-pages in the history of the book. The lower-case was subjected to various experiments in condensation and in enlarging the face, in much the same fashion as that introduced by the Dutch with their roman types. Thus in the specimen of Frakturs issued by the Luther foundry at Frankfurt in 1678 we find a *Grobe* Fraktur, that is a letter of a large face in comparison with its body. This is the "gros oeil" fashion which we refer to below in dealing with roman types. In the specimen of 1768, issued at Frankfurt by the widow of J. H. Schippelius, one Fraktur is described as *Lange*, that is condensed, and another as *Runde*, a description which seems to be a contradiction in terms when applied to this letter. However, the design in general was not radically altered, and the best founders of the eighteenth century, like Breitkopf at Leipzig and Haas at Basle, observed the original tradition handed down from Formschneider. It is not until we reach Unger that any serious attack was made on the letter.

Johann Friedrich Unger (1753-1804) was at first a woodcutter. He became a printer at Berlin in 1780, and added a type foundry to his business about the year 1790. He started with matrices acquired in part from the Luther foundry, and also from Firmin Didot of Paris. His introduction of the modern-face roman of Didot into Germany is described below. The first specimen of his work as a type-designer appeared in 1793, *Probe einer neuen Art Deutscher Lettern*, with a second edition in 1794. In the introduction Unger gives an account of his experiments and intentions with regard to Fraktur. He says that he had conceived the idea of

reforming the letter eight years ago. His friend, Firmin Didot, made three attempts to carry out his idea of a reformed Fraktur, but none of them proved satisfactory. Finally he had himself to undertake the laborious task of learning to cut types, and with the help of his assistant, Gubitz, succeeded in producing two different designs. He tells us that his purpose was to round off the corners of the lower-case and to remove the gothic "Schnörkel" of the upper-case. He remarks also that some letters of the traditional Fraktur are not sufficiently differentiated; there is confusion between the b and d, n and u, and V and B. Further, he says that he tried to borrow the "Helle und Zarte" of the Latin scripts. As to the result, he had no great success in his own day and, except in Germany, has received little commendation from writers on typographical history, perhaps less than he deserves. Mr. Updike dismisses him very briefly, and Mr. Morison refers to his design as a "pallid abomination." The Unger Frakturs have come into the possession of the Enschedés and are excellently displayed in their specimen of *Die Hochdeutschen Schriften*. They show two sizes described as "Erster Versuch" and the later design, as well as one of Didot's experiments. The Didot and the Cicero "Erster Versuch" are so exotic that one can understand their rejection. The Petit Fraktur "Erster Versuch" has some unusual capitals, notably the A and the G, whilst the capitals of the later design are more according to the tradition. Unger rejected these capitals, no doubt, because they were unusual, and not because they were less legible. There is little to be said for Fraktur on the score of legibility, and one of the few facts established by modern tests of the legibility of types is that the German letter is less easily read than roman. The controversy, still continued in Germany, between the



claims of Fraktur and of roman, rests on nationalist grounds. Unger at any rate did make a Fraktur as legible as any hitherto cut; in fact by smoothing out the angles of the lower-case he approached more nearly to the despised design, Schwabacher. But in colour he went to the other extreme and by copying the lightness of roman produced the pallidness which is the chief ground of complaint against him. It was in this way principally that he left his mark on future typography. Frakturs of the nineteenth century are definitely more pallid than the earlier designs.

## *Chapter 2*

### ROMAN: THE VENETIANS AND OLD FACE GROUP

Our roman types are based on the book hand of the renaissance humanists, which was developed, principally at Florence, in the first half of the fifteenth century. The hand is known as "humanistic" or "neo-caroline," and when translated into type received the name of "littera antiqua." Although in 1450 it was the most modern of letters, yet it was derived from a script, the Carolingian, which was more ancient than any gothic descendant. Our name roman, taken from the French, is perhaps as good as antiqua. The upper-case at least is pure roman and the lower-case is an immediate descendant. However the name probably originated from the fact that the first roman used in France, that of the Sorbonne press of 1470, was copied from the fount of Schweynheim and Pannartz used at Rome from 1467. As against three main groups of gothic, there are only two divisions of roman, the formal and the bastard, otherwise italic. Formal romans fall into three families succeeding one another chronologically, fifteenth century, old face and modern face romans. These divisions are well known, but recent researches have thrown some light on the historical origins and the development of the second and third groups.

In spite of the fact that the humanistic hand was

## CHABRIADIS VITA.



**C**HABRIAS ATHENIENSIS HIC quoq; in summis habitus ē ducibus: resq; multas memoria dignas gessit. Sed ex his eluc& maxime inuentum eius ī proelio quod apud thebas fecit: cum boetiis subsidio ueniss&. Nanq; in ea uictoria fidentem summum ducem Agesilaum fugatis iam ab eo cōducticiis cateruis reliquā phalangē loco uetuit cedere: obnixoque genu scuto pīectaq; hasta impetum excipere hostium docuit. Id nouū Agesilaus intuens progredi nō est ausus: suosq; iam incurrentes tuba reuocauit. Hoc usq; eo grācia fama celebratū ē: ut illo statu Chabrias sibi statuā fieri uoluerit: quæ publice ei ab atheniēsis in foro cōstituta est. Ex quo factum ē ut postea Athletæ cæteri q; artifices his statibus statuis ponendis uterentur cū uictoriā essent adepti. Chabrias autem multa in europa bella administrauit. Cum dux atheniēsiū ess&: in ægypto sua spēte gessit. Nā Neptenabum adiutum profectus regnum ei constituit. Fecit idē cypri: sed publice ab atheniēsis Euagoræ adiutor datus: neq; prius inde discessit q̄ totam insulam bello deuinceret. Qua ex re athenienses magnam gloriā sunt adepti. Interim bellū inter ægyptios & persas cōflatū ē:

Fig. 16. Jenson's roman.



essentially an Italian hand, the earliest roman type was cut by a German, Adolf Rusch of Strassburg. He was formerly known as the "R" printer, from the peculiar form of the R in his roman fount, but his identification as Rusch, the son-in-law of the first printer at Strassburg, Johann Mentelin, was established by Carl Dziatzko in 1911.<sup>1</sup> A manuscript note in a copy at Basle of the *Rationale divinatorum officiorum* of Gulielmus Durandus, printed in this roman, states that the book was purchased in 1464. It appears then that Rusch must have designed his type before anything had been printed at Subiaco, even if the Subiaco fount be accepted as a roman. Rusch's type is a pure roman with little of the angularity of gothic, with comparatively long ascenders and descenders, and with the full serif formation. These are the three main characteristics of roman, roundness, a high proportion of space between lines, and serifs. When Schweynheim and Pannartz began printing Latin texts at Subiaco it was natural that they should copy the letter then in favour with the Italian humanists. But actually what they cut was a fere-humanistica with roman elements, or a roman with fere-humanistica elements. Whether nearer to the one or the other, it is at any rate a mixed type. The upper-case, and in the lower-case the d and g, are roman, but a certain angularity in the c and the e, and the absence of serifs at the foot of the p and the q, are reminiscent of fere-humanistica. When they moved to Rome in 1467, they designed a new fount, this time a purer roman with the full serif formation, but still with some angularity in letters like the e. Of the first roman used at Venice, that of Johannes da Spira, it may be said that it was the best so far cut, but rather spoilt by a very heavy upper-case, a fault found in many later romans.

<sup>1</sup> *Sammlung bibliothekswissenschaftlicher Arbeiten*, Hft. xvii, 1911.

TRACTATVS. SOLLEMNIS. ET. VTILIS

editus per religiosum uirū magistrū Philippū  
Syculū Ordinis predicatorum Sacre theologie  
p̄fessore integerrimū in quo infra scripta per pul  
chre compilauit

In primis discordantias nōnullas inter s̄ctos Eu  
sebiū Hyeronymū et Aureliū Augustinū S̄cte  
ecclesie doctores circha quas plurimas doctorū  
aliorū opinioēs adducit

Secundo duodecim sibillarum uaticinia que de  
christo ediderūt cum earum figuris proporciona  
tis

Tercio Carmina Probæ Centone Clarissime fœ  
mine Romæ que ex Maronis carmibus ad cor  
roborationē ueteris nouiq; testamēti diuino inge  
nio excerptis

Quarto diui Athanasij Simbolū Quicūq; uult  
saluus esse Cum beati Thome aquinatis exposi  
tione

Quinto Domicā Orationē per eundē beatū Tho  
mā pulcherrime explanatā

Sexto Angelicā Salutationē per eundem

Septimo Hymnum Te deū laudamus cū exposi  
tione per eundē beatū Thomā Composita

Vltimo ponit Angelicus Hymnus Gloria in ex  
cellis deo per eundem beatū Thomam diuinitus  
explanatus

Within the first decade of the history of roman types we reach the design of Nicolas Jenson, 1470, which has frequently been re-cut and has been the most highly praised of all romans (see fig. 16). The excellent composing qualities of his letters and their evenness in colour have been particularly commended, and Jenson seems to have understood that these points are of greater importance even than the design of individual letters. In fact some of his letters are not above reproach. Mr. Morison has criticised the ugliness of his straight-shanked h, a form introduced by Jenson, and the undue height of his capitals. As to the h, at least the new form differentiates that letter from the b. Erhard Ratdolt, Venice, 1476, preferred the earlier h. The g also is by no means a perfect letter, and several of the capitals, apart altogether from their size, are poor in design, for instance the M with its slab serifs and the Q. But in spite of these defects in details, to be convinced that the Jenson roman deserves all the praises that have been lavished on it, one has only to open one of his folios. There is certainly something satisfying about his page.

Individuality of type design, which is a characteristic of the Incunable period, is as pronounced among the early romans as in any one group of gothic types. But from the time of Jenson until about 1495 no printer designed a roman which is of great importance for the historical development of this letter. Some printers reverted to mixed types, like the Ptolemy design of Leonard Holle of Ulm. This roman, perhaps modelled on the humanistic hand of Nicolaus Germanus, the editor of the Ptolemy of 1482, has a gothic g and a rather angular e. Others designed more calligraphic founts, like that of Gerardus de Lisa at Treviso; the g and the y, the unusually long ascenders and descenders, and the



est. lima. vobis pater inclite. limam refer/  
uau. Vt huic operi deo volente & corre  
ctio vestra. splendorem. & auctoritas p/  
beat p hennitatem p omnia. benedictus  
deus. Amen.

¶ Incipit historia scolastica  
theologie discipline

Impatorie maiestatis. est. in palacio tres  
habere mansiones. auditorium vel confi  
storium. in quo iura discernit. Cenacu  
lū. in quo cibaria distribuit. Thalamū  
in quo quiescit. Ad hūc modū impator  
noster. qui impatvētis. & mari. mundū  
habet. p auditorio. vbi ad nutum eius  
omnia disponunt. Vnde illud. celum &  
terram ego impleo. scđm hanc dicit: dñs.  
Vnde. dñi est terra & p. e. Animā iusti  
p thalamo. quia delicie sunt ei requiesce  
ibi: & esse cū filius hominū. scđm hanc  
dicit: Sponsus: & animam cuiusq; iusti  
sponsa. Sacram scripturā: p cenaculo. in  
qua sic suos inebriat: ut sobrios reddat.  
Vnde ambulauimus in domo domini  
cum sensu. id est in sacra scripta. idipm

Fig. 18. G. Zainer's roman.

rather exaggerated serifs of this type are closer to the humanistic hand than the Jenson model.<sup>1</sup>

That the roman types of Aldus Manutius represent the beginnings of the old-face group is the discovery of Mr. Morison, and a discovery of some importance for the understanding of the evolution of type forms. The statement that Garamond took Jenson's roman as his model, a statement frequently repeated in the histories of printing, has stood in the way of a correct view of the origins of our principal book type. Mr. Morison<sup>2</sup> has examined Aldus' roman in its various states, and has found that where it differs from Jenson it agrees with Garamond. The type of the Poliphilus is comparatively condensed—it is characteristic of early romans that they consume much space—the capitals are both narrower and shorter, the lower-case e has a horizontal straight to the eye, as against the oblique straight of Jenson. All these points are found in Robert Estienne's first Garamond, and when in addition we find in Garamond an M with no serif on the right limb and a G with a serif extending to the inside only, and that these rather peculiar forms occur in the capitals used in the *De Aetna* of Pietro Bembo, printed in 1495 in an earlier state of the Poliphilus roman (see fig. 19), the supposition that Garamond modelled his design on that of Aldus becomes a certainty. It may be noted that the Aldine capitals are inscriptional, like the lettering of classical Rome as found, for instance, on the Arch of Trajan. The slab serifs of Jenson's M and of the A and N of other early romans are now discarded. Our upper-case is the only literally roman letter among our types. It seems

<sup>1</sup> For a reproduction see V. Scholderer's article in the *Trans. of the Bibl. Soc.*, December 1929, fig. 3.

<sup>2</sup> *The Type of the Hypnerotomachia Poliphili* in the Gutenberg Festschrift, 1925.

PETRI BEMBI DE AETNA AD  
ANGELVM CHABRIELEM  
LIBER.

Factum a nobis pueris est, et quidem sedulo Angele; quod meminisse te certo scio; ut fructus studiorum nostrorum, quos ferebat illa aetas non tam maturos, quam uberes, semper tibi aliquos promeremus: nam siue dolebas aliquid, siue gaudebas; quae duo sunt tenerorum animorum maxime propriae affectiones; continuo habebas aliquid a me, quod legeres, uel gratulationis, uel consolationis; imbecillum tu quidem illud, et tenue; sicuti nascentia omnia, et incipientia; sed tamen quod esset satis amplum futurum argumentum amoris summi erga te mei. Verum postea, quam annis crescentibus et studia, et iudicium increuere; nosque totos tradidimus graecis magistris erudiendos; remissiores paulatim facti sumus ad scribendum, ac iam etiam minus quotidie audentiores.

Fig. 19. Aldine roman.



probable that Aldus himself was not especially interested in the design of roman letters—his interest was in Greek literature and in the publication of the classics—and that the chief credit should be given to his type-cutter, Francesco Griffo, an account of whom is given below. When Robert Proctor condemned the Aldine founts, Greek, roman and italic, he was unfair as to the roman, prejudiced probably by his justifiable objection to the Aldine Greek.

It is significant that Aldus had no gothic types. In Italy, by his day, there were only two classes of books which tradition required to be set in Rotunda, law books and Liturgies. But in other countries, where the revival of learning followed at least a generation behind, the new renaissance letter was far less popular. By 1480 only ten roman founts are recorded in the presses of Germany. Their number began to increase rapidly after 1490, the printers of Basle in particular leading the way. Basle has been called the gateway by which the new learning entered Germany. Johann Amerbach, the leading printer there in the nineties, had learnt to print in Venice and had several roman types in the Venetian style. Similarly the only printer in the Netherlands who used roman in the fifteenth century, Johann von Paderborn at Louvain (1474-96), had also worked at Venice. In other cases the influence of humanistic scholars can be traced in the introduction of roman types, where the readers were hardly ready for them. Two professors of the Sorbonne, Guillaume Fichet and Johann Heynlin, in 1470 brought the first printers into France, Ulrich Gering of Constance, Martin Kranz and Michael Friburger of Colmar. Their press was set up in the college and their type was roman, modelled on that which Schweynheim and Pannartz were using at Rome. The first book printed, the *Epistola* of an Italian

renaissance scholar, Gasparinus Barzizius, was a text intended for students of Latin. When Gering and his partners had left the Sorbonne and set up their press in the Rue St. Jacques, they soon returned to the native gothic. It was not till after 1500 that the tide began to turn in favour of roman, again under the influence of a student of the new learning. Josse Badius, before he began to print at Paris, had studied at Italian universities and had been a press-corrector for Johann Trechsel at Lyons. Badius and his contemporary Henri Estienne, the first printer of that famous family, led the new fashion in France and prepared the way for Tory and Garamond. In Spain, as in France, printing begins with a roman type and afterwards the native gothic prevails. Lambert Palmart, a Fleming, in 1474 printed at Valencia the *Obres e Trobes* of Fenollar in a roman type, but his example was not followed. The great majority of Spanish incunables and even of the books printed in the first quarter of the sixteenth century were set in Rotunda. The few books printed in roman were generally the works of scholars interested in the new learning, such as Antonio de Lebrixa.

The roman, or as our early printers sometimes called it, the white letter, first appeared in England in 1509, and again was more probably due to the author of the book than to the enterprise of the printer. Petrus Gryphus of Pisa came to England as papal collector in February, 1509. He remained there for three years, and on his return to Italy in 1512 was made Bishop of Forlì. The speech which he was to have delivered at his audience before Henry VII was never spoken, owing to the death of the King, but he had the *Oratio* printed by Richard Pynson in a roman type. The dedication is dated "Idibus Maii," so that the speech may be supposed to have preceded two other books of the same

year, in which the type is found, a Savonarola tract, *Sermo Fratris Hieronymi*, with a preface dated October 8, and Alexander Barclay's translation of the *Ship of Fools*, issued on December 13. The type is used for the half-title only of the Savonarola, and for the Latin text of the *Ship of Fools*, the English being in Textura. Pynson's roman was used by Antonius Venetus at Paris in 1502; both this and the very similar letter used by Wynkyn de Worde from 1523<sup>1</sup> closely resemble contemporary French romans, for instance that of Josse Badius at Paris. The lower-case is not very good, and the upper-case distinctly poor. The smaller roman of De Worde used from 1520 (20 lines = 81 mm.) is better, and we may compare it with the type which Geofroy Tory used for his *Champ fleury* and the majority of his books (see figs. 20, 21). One roman of this class has survived to our day, and is part of the wonderful collection of early types owned by the Enschedé of Haarlem. In the specimen of this roman issued in 1926 they attribute it to Peter Schöffer of Mainz, and consider it to be the oldest type in their collection. It came to the Haarlem firm in 1768 from one Jacobus Scheffers, a printer at Bois-le-Duc, a descendant of the Schöffers. Their dating of the type is, perhaps, too early, but it is at least early sixteenth century. The third roman used in England was that of the Cambridge printer, John Siberch, or Johannes Laer de Siborch, in which he printed some ten books in the years 1521 and 1522. This roman was probably cut in Cologne. Siberch's roman appears condensed, but this seems to be due to the narrow bodies of the letters rather than to a condensed face; the c, however, is actually narrow in face. It may be noted that Siberch's g is without the rudi-

<sup>1</sup> See Isaac *English and Scottish Printing Types*, vol. I, figs. 11 and 12.



Geofroy Tory de Bourges, Aux  
Studieux & bons Lecteurs dit &  
donne humble Salut.


 Enophon vous enseignera cy apres tresprieusemēt, & Elisee Calense tresprieusement La maniere de bien regir sa Famille, & facilement augmenter ses biens, mais en cest endroit cy mes treshonorables Seigneurs soubz vostre bonne correction, ie vous en veulx escrire Trois Motz & vous allegant seulement vne petite Parabole & Similitude comme il sensuit. Il fut vng temps quil estoit vng certain Aduocat, qui a Chascun qui vers luy venoit au Conseil, ne dōnoit que vng seul mot de responce, mais auant toutesfoys quil le dist, de prime face rendoit la main pour auoir Argent, il tenoit son huys a demy ouuert / & escoutoit ce quon luy disoit puis soubdain dōnant son seul mot de Conseil / ferroit Lhuys au visagedes gens / & senfermoit en sa maison. Sa renommee estoit si grande / quō venoit a son Conseil de toutes pars, Tellemēt que vng certain Gētilhomme y vient, & ayāt vng Escu

Fig. 20. Tory's roman.

mentary stroke—the ear—at the top right-hand corner, which has persisted by the force of tradition with but few exceptions.

The fact that English printers did ultimately adopt roman as their standard type seems to be almost accidental. We have noted above that Textura was still regularly employed in the seventeenth century in certain classes of books. English black letter might very well be the normal letter to-day for books in the vernacular, just as Fraktur is in Germany. We have no black letter versus roman dispute, perhaps because in the sixteenth century our printers were conscious of their inferiority to continental printers, in particular the French, whose lead they followed. There was no English standard to be maintained. The German printers on the other hand did not forget that they had been the first to develop the art, and were naturally inclined to resist foreign innovations, at least when printing in their own language.

If the connection between “Garamond” and fifteenth century romans was obscure, there was equal obscurity until recently as to the history of the Garamond founts themselves. The account given by earlier text-books ran somewhat as follows: “Garamond took Jenson as the model for his new roman; about 1540 he cut several sizes of roman and italic for the King’s foundry.” The 1540 was due to the Imprimerie Royale who in 1845 labelled their “caractères de l’université” as “Garamond 1540.” The existence of these “caractères,” called Garamond on such high authority, spread confusion, since the types could not be found in any sixteenth century book. The story that Louis Luce revised the letters in the eighteenth century is probably due to this state of uncertainty. Mrs. Warde’s (Paul Beaujon) happy discovery that these famous “caractères” were not Garamond’s and not even of the six-

In Lodoicæ Regis Matris mortem , Epitaphia Latina & Gallica.

Epitaphes a la louenge de ma Dame Mere du Roy faitz par plusieurs recommandables Autheurs



On les vend a Paris deuant L'eglise de la Magdeleine , A l'enſeigne dū Pot Caſſe.

Aucc Priuilege.

Fig. 21. Tory's roman.



teenth century, but were cut by Jean Jannon, printer at Sedan and Paris, who issued his specimen in 1621, has cleared the way and made it possible to give a reasonable account of the Garamond roman.

In her article on Garamond which appeared in No. 5 of the *Fleurion*, Mrs. Warde has traced the new roman back to the year 1531. In that and the following year at least four printers at Paris had their "Garamond" founts. First in the field was Simon de Colines, with his Terentianus fount, so called from an edition of the *De literis Horati* of Terentianus Maurus, finished in November, 1531. Colines seems to have been experimenting with the design of roman for some years; editions of the Greek medical writer, Galen, printed in 1528 show a roman which except for a few letters is the same as the type of 1531. Even as early as 1525 the roman in which the first Tory Book of Hours was printed is an advance on the types which Colines had acquired from Henri Estienne.

The Terentianus version had already been used in two little tracts by Guillaume Bochetel, describing the entry of Queen Leonora into Paris and her coronation, issued in March and May of the same year, and published by Geofroy Tory (see fig. 22). In January of the next year, 1532, appeared Robert Estienne's first book in his new roman, the *Isagoge* of Jacques Dubois. While cutting the new sorts required for this philological work, Estienne seems to have taken the opportunity to revise the whole alphabet. In the same year his Virgil, dated September, and his handsome folio Bible, finished in November, were printed in the new letter (see fig. 23). In March, 1532, Antoine Augereau issued the *Orationes* of Andrea Navagero in his version of the revised roman, and a fourth version was used, also in 1532, by Chrestien Wechel. These four related founts cannot have been

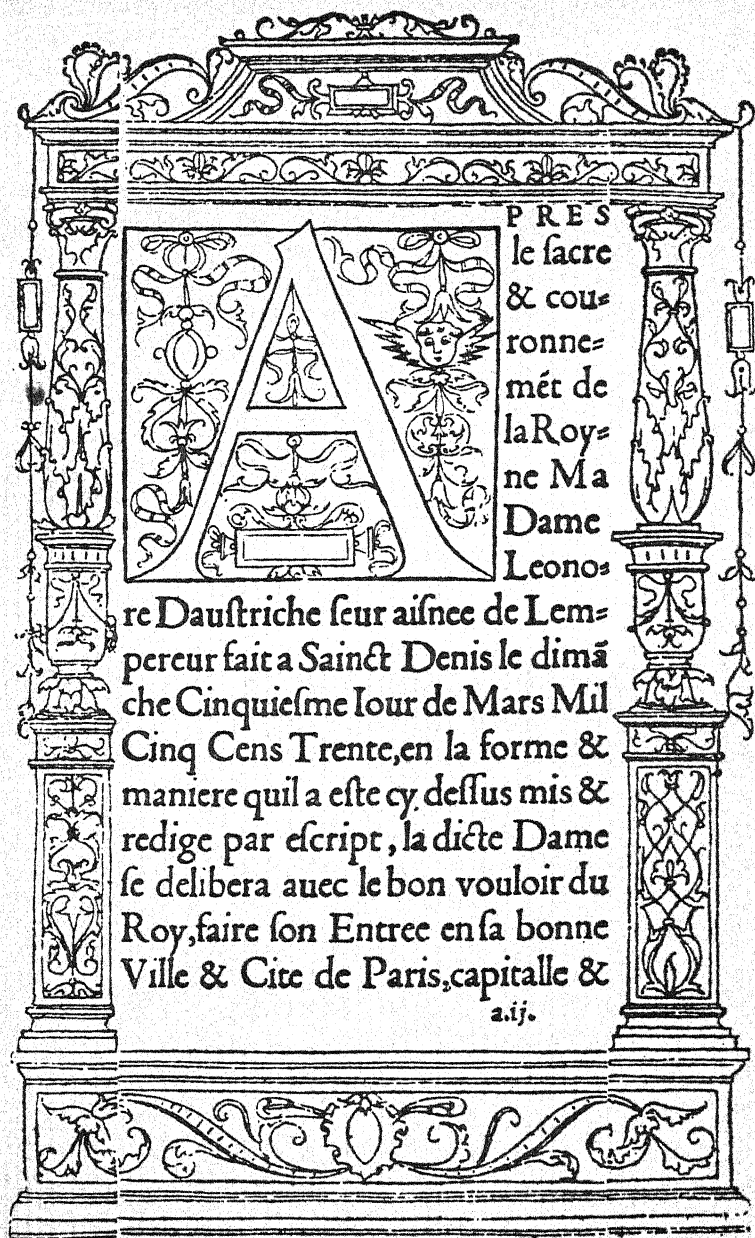


Fig. 22. Colines' roman, 1531.

cut by one man, but that one at least was the work of Claude Garamond seems almost certain. The most important of the four, historically, was Estienne's, and this is the particular "Garamond" referred to above as being derived from the Aldine romans. The lower-case became the traditional French roman, and by the end of the century had the widest popularity throughout Europe. The upper-case was revised about 1550, taller capitals were cut, and the unusual G and M disappeared. After this revision we get the letter shown in the specimen sheet of the Egenolff-Luther foundry at Frankfurt issued in 1592, which displays seven sizes of "romain de Garamond." Mrs. Warde suggests that Antoine Augereau, whose new roman is closely akin to Estienne's, may have been the engraver of the type used in the Dubois. Augereau was an engraver of types, if we may trust Lacaille, and the shortness of his career—he was burnt as a Protestant and printer of suspected books in 1534—may account for the obscurity of his name. On the other hand, as Mrs. Warde shows, in the *Juvenius* published by Garamond himself in 1545, and in other books printed by the men especially connected with him, his son-in-law, Pierre Gaultier, and his partner, Jean Barbé, the Estienne fount was taken as a model. Further, the roman capitals of the middle size of Garamond's "grecs du roi" are the capitals of the Estienne fount (the capitals of the largest size which first appeared in 1550 are the revised capitals as in the Egenolff sheet). Either then Garamond cut the Estienne fount or he accepted it as his model. At all events he won credit with posterity for the design, as the Egenolff sheet testifies.

In the Dubois and in Estienne's folio Bible of 1532 three sizes of the new roman appear; the largest, Gros Canon, excellently displayed in the preliminaries of the

Bible, has an historical importance of its own. Hitherto the lower-case had not been cut in very large sizes and titles had been composed either in capitals or partly in Rotunda. But after the appearance of this Gros Canon, large sizes of lower-case "Garamond" became fashionable on titles. The title-pages of almost any French printer of the middle years of the century illustrate the

G N

Vertere Mecœnas, vlmîsque adiungere vites  
 Cōueniat: quæ cura boum, quis cultus habēdo  
 Sit pecori: atq; apibus quâta experiētia parcis:  
 Hinc canere incipiâ. Vos ô clarissima mundi  
 Lumina, labentem cælo quæ ducitis annum:  
 Liber, & alma Ceres, vestro si munere tellus  
 Chaoniam pingui glandem mutauit arista:  
 Poculâque inuentis Achcloia miscuit vuis:

Fig. 23. Garamond roman.

point; perhaps none better than those of Jean de Tournes. Especially his large folios, the Bible in French, 1551, the Serlio, 1551, the Jacques Bassentin, 1557, and the Jean Duvet, 1561, are magnificent examples of the style. The Italians followed suit, and in one case at any rate we know that a French type-designer, Guillaume Le Bé, who was working at Venice in 1545, cut a canon roman for Torrentino of Florence. This letter is shown in his "Spécimens de caractères Hébreux, grecs, Latins . . . gravés à Venise et à Paris (1545-92)," of which a facsimile was published in 1889 by Henri Omont.



In England we find a similar title type used by Thomas Berthelet; see *A Necessary Doctrine for any Christian man*, 1543.

By the end of the century the Garamond roman had become the standard European type. French romans were purchased by Paolo Manuzio at Venice about 1557 for use in the books of the newly established Academia Veneta. Christopher Plantin at Antwerp bought types at the Garamond sale, and his other romans were cut by designers who were faithful copiers of Garamond. The Paris designs were taken to Frankfurt by André Wechel, who bought part of the Garamond foundry at the sale of his stock in 1561. We have already referred to the specimen of the Egenolff-Berner's foundry at Frankfurt issued in 1592. This foundry under the Luthers was the most important in Germany in the seventeenth century, and continued to display their Garamond romans in all their Latin specimens of 1622, 1664, 1702, 1718 and 1745, sometimes omitting the name of Garamond. Two centuries after Garamond's death a European printer could buy his types, nor would they have appeared as archaic revivals, though not quite in the latest fashion. The Luthers sold types in the Netherlands also. Charles Enschedé has shown that almost all the roman and italic letters displayed in the specimen of Johann Elzevier of Leyden, 1658, came from their foundry, and that a considerable number of them were those shown in the Frankfurt sheet of 1592.

The roman typography of the seventeenth century differed very little from that of the sixteenth, at least for the body types. Large and heavy capitals were used for titles, and there were considerable changes in the formula for book production, but in the history of the development of type-forms the century is almost a blank. The Imprimerie Royale, established at Paris

in 1640 by Cardinal Richelieu, began with types of the Garamond style, which came perhaps from the press of Sebastien Cramoisy, the first director of the Press. In 1642 the Jannon types were acquired and these with the original Cramoisy types fulfilled the needs of the Press down to the end of the century. The Jannon roman was also a copy of Garamond, but had some peculiarities of its own. Mrs. Warde in the introduction to her reproduction of the Jannon specimen has pointed out that the top serifs of the m, n, p and r are conspicuously pointed up, a peculiarity repeated in the modern copies of the "Caractères de l'Université."<sup>1</sup>

In this century the Dutch book trade enjoyed its most prosperous days. The publishing and printing firm of the Elzeviers became the most famous in Europe. But neither the Leyden branch, nor the Amsterdam branch of this house, cut their own types. As already said they were largely supplied by the Luther foundry, and the famous Dutch foundries of Cristoffel van Dijk and the Voskens were not established until 1648 and 1641 respectively. Their romans are a heavier version of the Garamond design, with stout serifs and an avoidance of anything exaggerated. The Dutch founders made their counters sufficiently large to escape any risk of choking with ink; the eye of the Garamond e, for instance, is dangerously small. Their descenders tended to be shorter and in the course of time a new style was developed of large-faced romans with distinctly abbreviated descenders. By the end of the century prefatory matter in particular was often set in large sizes of these Dutch "gros ceil" as the French called them. Mr. Updike says they have a rolling effect. Such types are common in both German and English books as well as Dutch.

<sup>1</sup> This book is printed in Monotype "Garamond."

Turning back to trace the story of roman types in England, we find that Thomas Berthelet was using a lower-case like Garamond's by 1534 (see Isaac's *English Types*, 1501-35, fig. 67). In the second half of the century French romans were in very general use. In two articles in the Transactions of the Bibliographical Society (June and September, 1933) Col. Isaac has summarised the Elizabethan romans and italics and traced them all back to continental sources. He has found that the majority of them are to be found on the Egenolff-Berner's sheet, 1592, or on Plantin's *Index Characterum*, 1567, or on both. There is no exception even in the case of John Day, who was so highly praised by Reed. Day's boasted Double Pica roman and italic, at a later date to be used in the London Polyglot Bible, came from the Low Countries. Reed's remark that the Polyglot was "wholly the impression of English types" is far from the truth. The number of English types, that is to say, types cut by English designers, before the generation of Nicholls and Moxon, must be very small. The earliest known specimen of types set up by an English printer, dating from about 1650 (reproduced in Berry and Johnson's *English Type Specimen Books*) displays only foreign types.

It is commonly asserted that in the century preceding Caslon, Dutch types were much used in England. Joseph Moxon in his *Mechanick Exercises*, 1683, regards the Dutch as the only possible models, and the Edinburgh printer, James Watson, in his *History of Printing*, 1713, includes a display of Dutch types. There are two series of letters extant which further illustrate their popularity, those of Thomas Marshall written to Bishop Fell from 1670-72, and those of Thomas James to his brother John, written in 1710. Marshall's letters were published by Horace Hart in *Notes on a Century of Typography at*

*the University Press, Oxford, 1900.* Marshall was preacher to the English merchants in Holland and was employed by the Bishop to visit the Dutch foundries with a view to making purchases for the University Press. Thomas James visited Holland as a founder in 1710 and was treated with some suspicion as a competitor. Incidentally we learn from his letters that the London printer, Jacob Tonson, had recently spent a large sum of money in the purchase of Dutch types. James dealt mainly with Johannes Rolu of Amsterdam, who had issued his *Proeven van Letteren* shortly before James' visit. These Dutch types are shown in the catalogue of the sale of the James foundry in 1782.<sup>1</sup>

But this assertion about Dutch types needs modification. Types or matrices may have been bought in Holland and yet be derived from French punches in the possession of a German foundry, namely the Luthers at Frankfurt. It has already been noted that much of the Elzevier material came from that house, and the same is true of some of the purchases made by Thomas Marshall for Bishop Fell. Several of the smaller sizes of roman and italic in the Oxford specimen of 1693 appear to be identical with those of the Frankfurt sheet of 1592.

Such English types as were cut during this period were in the Dutch style and generally very bad in technique. One characteristically English roman may be mentioned. In 1679 a Herodotus in Greek and Latin was printed in London "typis E. Horton et J. Grover." As Grover was a founder it is possible that the type was of his own casting, if not also of his design. The book is set in double columns and the roman is a light and condensed letter, a curious fore-runner of Fleischmann.

<sup>1</sup> See Reed, pp. 227, 228, where a list of the exotic types is given, Rolu's being marked with the initial R.



Probably it was designed for this very purpose, for the setting of a text in narrow columns. However, similar condensed types of a smaller size are found as early as 1648; perhaps they were first cut in connection with newspaper printing, for the "Mercuries" of the Civil War period. Attention may be called to two of the capitals; the U is of the same form as the lower-case u, a practice common in the seventeenth century and almost limited to that century. The R has the curly tail which is generally considered to be typical of eighteenth century types. In fact such R's are often found in English books from about 1640. It will be met with in an Oxford type, described in the specimen of 1693 as "Great Primer Roman and Italic cut by Mr. Nicholls, not good," and not shown there; a deliberate omission made good in Horace Hart's book. Another English type which had a considerable vogue was Moxon's Canon roman. This was used not only by Moxon himself, but fairly generally as a heading type in books and also in newspapers. The type was later acquired by William Caslon and is one of the few types displayed on the Caslon specimen sheet of 1734, which was not cut by Caslon himself. The only other type of Moxon's of historical interest was his Irish fount, the story of which may be read in Reed, pp. 186-191.<sup>1</sup>

The last of the distinguished type-designers who were, consciously or unconsciously, pupils of Garamond was William Caslon. If Caslon had ever seen or heard of the "romains du roi" he was entirely uninfluenced by that modern type or by the subsequent work of Fleischmann, Luce and Fournier. Born in 1696, he was about five years younger than Fleischmann, but to the end of his life he ignored the new develop-

<sup>1</sup> See also E. W. Lynam in the Trans. of the Bibl. Soc., March, 1924.

ments in type forms introduced by the continental founders. His specimen of 1764 might have been produced a hundred years earlier. Caslon was originally a gunsmith; the punches which he cut for lettering on bindings attracted the notice of printers who persuaded him to turn his attention to letter-founding. His first type was an Arabic, cut in 1720, and was followed by a roman, according to John Nichols, cut in 1722. The Works of John Selden, 1726, is quoted as an early work printed in the new roman, but the type can in fact be traced back several years earlier in the books of William Bowyer, printer of the Selden. It was not until 1734 that a sufficient number of letters had been cut to justify the printing of a specimen sheet. By that time the Caslon roman was accepted as the best English book type and its popularity was such that in the lifetime of the designer there was no competition. In Reed's *Old English Letter Foundries* will be found a number of contemporary references which testify to Caslon's success, and among his admirers was Baskerville. He stopped the importation of Dutch types, and even the Oxford Press could not rely on the Fell types only. There is a record of a purchase of Caslon roman and italic by the University Press in 1766, types shown in their later specimens. Even before that we find that the Oxford edition of Blackstone's *The Great Charter*, 1759, was printed in Caslon Great Primer.

Caslon took as his model the best Dutch types of the seventeenth century, and his roman has been praised for the qualities of homeliness and commonsense which are found in the roman of Van Dijk. If the function of type is to be a medium and to efface itself, the Caslon roman achieved that end. The letters are pleasantly legible, combine together well, and no one letter calls attention to itself by any oddity of form. All the

letters are not equally good in detail, more particularly in the upper-case. The rather dumpy A and broad M are in some sizes not good. But the fact remains that the type in composition is pleasing and eminently serviceable. However, Caslon was not better than the designers he took as models. He owes his success in England, not to any originality, but to the fact that he was the first really competent engraver and caster of types in this country.

### *Chapter 3*

## THE EVOLUTION OF THE MODERN-FACE ROMAN

DURING the eighteenth century the design of our roman types underwent a radical change, resulting in the style which we know as modern face, the type of the nineteenth century and still the type used in our newspapers and most of our books. It therefore becomes important to define what we mean by modern face. A roman which embodies the three following characteristics: (*a*) flat and unbracketed serifs, (*b*) abrupt and exaggerated modelling, (*c*) vertical shading, we shall call modern face. Flat serifs, though not unknown in the history of calligraphy, were an innovation in typography about the year 1700; hitherto they had invariably been inclined, and further triangular, that is to say the under part of the serif was not parallel to the upper part. The modelling, that is the gradation from the thick part of the stroke to the thin part, had been gradual. The thickest part of the round letters, such as *c*, *e*, *g* and *o*, did not come at the middle of the down stroke, but slightly below the middle, or, in the *o* and *g*, the two thickened parts were not horizontally opposite each other, but more or less diagonally opposite. This meant that the angle of shading ran diagonally, more or less, across the page, and not vertically up and down. This is in accordance with a script made with a pen held at an angle, the natural way. If an *O* is written with a



broad-nibbled pen held at an angle, it will be seen that the thickest lines are diagonally opposite. In fact the old-face roman, based on a hand-drawn letter, still shows traces of that origin. By the year 1700, the professional calligrapher, whose work was reproduced on copper-engraved plates, had begun to hold the pen at right-angles to the paper, to produce vertical shading, and to reduce their thin strokes to hair-lines. In a study of Baskerville roman by Mrs. Warde, published in *The Monotype Recorder*, September-October, 1927, this point was illustrated by a plate from George Shelley's *Alphabets in All Hands*, c. 1715, and Mrs. Warde pointed out that Baskerville, a writing-master in his earlier days, was translating into type a style that was already in vogue among the calligraphers. The whole question of the evolution of roman from old style to modern face is largely a question of technique, rather than the rejection of one design for another on a definite principle. In typography we shall find that mechanical improvements in the printing press and changes in the texture of paper allowed the engraver of types to produce effects which would have been impossible in early days. It was useless for a Garamond to cut a delicately modelled serif which the processes of reproduction available would have obscured.

The normal nineteenth century type is modern face, showing all the characteristics of our definition, often with additional aggravations. Apart altogether from fat-faced types, the habit of producing condensed types in the modern style has made much nineteenth century typography even more unpleasing than it need have been. The narrow capital M, for instance, of the average modern face, illustrates the tendency at its worst. The exaggerated and abrupt modelling, coupled with mathematically vertical shading, resulted in a rigid and mechani-

cal letter which was an abomination to men like William Morris. If one may judge by the typography of our leading printers of to-day, one may conclude that there are few of our typographers who would defend this modern face. If we confine the term modern face to such types, it becomes difficult to label many types of the eighteenth century except by some such vague and unsatisfactory epithet as transitional. How many of the characteristics of modern face are to be present in a type before it can be classified as such? Serifs may be flat, but still bracketed; shading may be vertical in part, that is vertical in some round letters and not in others, and may be accompanied by modelling of various degrees of exaggeration. Any decision must be somewhat arbitrary.

Towards the end of the seventeenth century it was decided that a new series of roman and italic types should be cut for the exclusive use of the Imprimerie Royale, of which Jean Anisson had recently become director. The aid of the Académie des Sciences was called in, and in 1692 a committee of experts was appointed, with Jaugeon as chairman. A lengthy report was presented in which an elaborate construction of each letter, on a mathematical basis, was attempted. One of the squares, divided and subdivided into 2,304 small squares, which was to control the construction of each letter, was reproduced in Arthur Christian's *Débuts de l'imprimerie en France*, 1905. The account of Jaugeon in that book is set in the "Caractères Jaugeon," cut in 1904 by Hénaffe. From this recutting it becomes clear that Philippe Grandjean, the engraver of the Imprimerie, followed the design recommended in the report; probably he ignored the theory. By 1702 the sizes first cut were ready and the types were used for the printing of the *Médailles sur les principaux évènements*.

*ments du regne de Louis le Grand.* This roman has flat, unbracketed serifs, and on the ascenders of the lower-case the serifs run across to the right as well as to the left. The shading is more vertical and the modelling rather more than in the old face. On the left side of the l, there is a small flick, such as at one time had been usual in gothic types. Here it was probably adopted as a distinguishing mark, and this was perhaps also the reason for the cross serifs. We may note also the bottom serif to the b, the flat bottom serif to the u, and the curly-tailed eighteenth century R (see fig. 24). The modern face is implicit in this design, and yet to a casual observer, it would appear old face. This is because the modelling is only slightly more pronounced and because there are no hair lines. Technique was not yet sufficiently advanced to allow of the true modern face. The modernness of the design is perhaps more evident when it is used with modern methods of printing. For example, in the Abbé de Liebersac's *Discours sur les monumens publics*, 1775, printed with Anisson-Dupéron's improved press, and the modern revivals by Arthur Christian in his *Débuts de l'Imprimerie*, 1905.

Type-founders were forbidden to copy these "romains du roi." Consequently many romans cut by Paris engravers at later dates were less modern than this Grandjean design. But that the types of the Imprimerie were in fact copied, we know from Pierre Cot's *Essais de Caractères d'Imprimerie*, Paris, 1707, a little specimen of Oriental and Greek types; the descriptions of the types shown are set in a roman which has all the characteristic features of the "romain du roi."<sup>1</sup> We have also the evidence of Pierre François Didot, le Jeune. In 1783 that printer was accused of imitating these types, and in his defence protested against the

<sup>1</sup> A Facsimile was published in 1924 by Mr. D. C. McMurtrie.

Il pose ce fondement tant de son histoire que de sa doctrine et de ses lois. Après, il nous fait voir tous les hommes renfermés en un seul homme, et sa femme même tirée de lui ; la concorde des mariages et la société du genre humain établie sur ce fondement ; la perfection et la puissance de l'homme , tant qu'il porte l'image de Dieu en entier ; son empire sur les animaux ; son innocence tout ensemble et sa félicité dans le Paradis, dont la mémoire s'est conservée dans l'âge d'or des poètes ; le précepte divin donné à nos premiers parents ; la malice de l'esprit tentateur, et son apparition sous la forme du serpent ; la faute d'Adam et d'Eve, funeste à leur postérité ; le premier homme justement puni dans tous ses enfants, et le genre humain maudit de Dieu ; la première promesse de la rédemption, et la victoire future des hommes sur le démon qui les a perdus.

La terre commence à se remplir , et les crimes s'augmentent. Cain, le premier enfant d'Adam et d'Eve, fait voir au monde naissant la première action tragique ; et la vertu commence dès-lors à être persécutée par le vice. Là paraissent les caractères opposés des frères, l'innocence d'Abel, sa vie pastorale, et ses offrandes

Fig. 24. " Romain du Roi."



injustice of his being accused, whereas he was only a printer and several typefounders had for years shown designs like the "romains du roi." He instances Sanlecque in 1742 and says that the same types afterwards appeared in the specimen books of Gando. He says that Madame Hérissant had printed Réaumur's *Histoire des Insectes* in a type of this style in 1742, and admits that he himself had used another in Houel's *Voyage de Sicile*, of which the first volume had appeared in 1782.<sup>1</sup> The type of the Houel has in fact flat serifs, the double serifs and even the flick on the l. Pierre Didot l'ainé has something to say about Grandjean and Alexandre, his successor, in the notes to his *Épître sur les progrès de l'Imprimerie*, 1786. "Leurs caractères romains sont à-peu-près imités de ceux de Garamond pour la forme de la lettre ; seulement ils l'ont chargé de traits horizontaux qui la défigurent." To Didot, who was then printing with the modern types of his brother Firmin, the "romains du roi" were not much removed from old face.

Grandjean's work was continued by Jean Alexandre, and finally completed by Louis Luce, who cut the smallest size, perle—there were in all twenty-one sizes of roman and italic. Luce, in addition to his work as punch cutter to the Imprimerie Royale, cut on his own account a number of other romans displayed in his *Essai d'une Nouvelle Typographie*, 1771. In the "Advertissement" of this specimen Luce explains wherein his types differ from the "romains du roi." He says that his serifs are on the left side only and that they are inclined (as a matter of fact in the larger sizes they are flat). He gives as a reason for preferring the inclined serif that such was the natural stroke of the pen, and that types are derived from the hands of the calligraphers. He says, further, that his letters are more oval, that is to

<sup>1</sup> See Bernard, *Histoire de l'Imprimerie Royale*, 1867, pp. 96, 97.

say more condensed, and guards himself from the charge of copying the Dutch by pointing to the delicacy of the serifs and the general harmony of his types. This is the most striking characteristic of the Luce romans, their condensation. He declares that he had published proofs of his types in 1732 and complains that his ideas had been stolen. There is clearly here an allusion to Pierre Simon Fournier, who copies not only the Luce ornaments, shown in the little specimen of the "perle" roman and italic of 1740, but also his roman and italic. Fournier was the better designer, but the idea of his "poétique," a condensed letter intended for the printing of the long verses of the French Alexandrine without breaking into a second line, was derived from Luce (see fig. 25).

Fournier was an industrious worker and offered his customers, not one St. Augustin or Cicero roman, but a whole family on the same body, all cut by himself. He has "petit oeil," "oeil moyen," "oeil ordinaire," "gros oeil," "oeil serré," and "oeil poétique." The "petit oeil" is a small-faced type with comparatively long ascenders and descenders. This, says Fournier, leaves a greater interval between the lines, is therefore lighter in appearance but fatiguing to the eye. The "oeil moyen" is heavier, therefore more readable; the "gros oeil," or large face, is still heavier. In the "oeil serré," or condensed face, the letters are a little less round and therefore more letters can be set in one line; the "oeil poétique" is also "serré," but made lighter by lengthening the descenders. Fournier's ordinary roman, that is to say neither "gros oeil," "petit oeil" nor "goût Hollandais," but yet somewhat condensed, a type which has been recut of late years by the Monotype Corporation, may be looked at as an example of a transitional roman of the eighteenth century.

Some small points are taken from Grandjean, such as the curly-tailed R, the b, d and u with flat bottom serifs. But on the other hand the top serifs are not flat, nor is the shading vertical (consider the e). There is more "modernity" about the upper-case, but on the whole the type impresses one rather as an old face. Both Fournier and Luce were more "modern" in their treatment of italic.

Of the "gros oeil" and the "goût hollandais," Fournier says: "Les Hollandais ont imaginé de faire ces sortes de caractères gros oeil, maigres et alongis." He is thinking of the distinguished typesetter, Johann Michel Fleischmann, a German who worked in Holland (see fig. 26). He was a famous man in his day, but is now somewhat under a cloud. Mr. Updike says that he took the life out of all his types and can find nothing good to say of him. But his light and rather condensed St. Augustin roman, cut as early as 1732 and acquired by the Wetsteins, and later by Enschedé, was very popular in Holland, and not without reason. At any rate when given every advantage of good printing, such as it receives in Charles Enschedé's book—it is there used for the whole text—it appears not unworthy of the praise which Johan Enschedé gives it. The Leipzig founder, Breitkopf, in his *Nachricht von der Stempelschneiderei*, 1777, in reviewing the Enschedé specimen, praises Fournier as against Fleischmann, and says that the condensed letters are a mistake. It is evident that Louis Luce and Fournier derived their taste for condensed romans from Fleischmann. The "gros oeil" itself, that is large-faced types with short descenders, were also very much "goût Hollandais." Prefaces set in these large heavy big-faced types are common about 1700 not only in Dutch, but also in German and English books. The second famous Dutch

*GROS-TEXTE POÉTIQUE.*

**L'**Exactitude & la justesse du raisonnement sont absolument nécessaires dans la profession d'Avocat.

Un ancien Poète a nommé les Avocats qui raisonnent mal, le poison des Loix, parce qu'ils en infectent la source; & ces corrupteurs sont d'autant plus à craindre qu'ils ont plus de Génie, & que l'expérience semble leur avoir donné plus d'autorité.



Fig. 25. Fournier's Poétique.



type-cutter of this period, J. F. Rosart, was also employed by the Enschedés, especially for the cutting of roman capitals. Those shown in figs. 275-78 of Charles Enschedé's book are entirely modern, and it may here be remarked that thin, flat serifs and vertical shading in capitals are frequently found in the first half of the eighteenth century, when the lower-case was still in the state of transition. The specimens of capitals issued by the Luther firm at Frankfurt in 1716 and again in 1718 offer examples.

The house of Didot is one of the illustrious families in the annals of typography. About the year 1789 there were no less than seven members of the family engaged in the various branches of the book trade at Paris, the two brothers François Ambroise (retired in 1789) with his two sons, and Pierre François with three sons. The elder branch, l'ainé, was the more important, and the most important member of the family from our point of view was F. A. Didot's younger son, Firmin (1764-1836). The father, F. A. Didot, was both printer and type-founder, and among other appointments which he held was that of printer to the Comte d'Artois, afterwards Charles IX, whilst his brother, P. F., was printer to Monsieur, the King's eldest brother, afterwards Louis XVIII. This royal patronage had doubtless its part in encouraging the cutting of new types. A. F. Didot (see his *Essai sur la typographie*, 1852) says that one Wafflard engraved the first types of his grandfather, F. A. Didot. This Wafflard or Pierre Louis Wafflard, is mentioned by Lottin as a typefounder and pupil of Gando. But there seems to be no record of any actual type cut by him, and possibly this man has been given too much prominence in the history of the Didot types. In Thibaudeau's *Lettre de l'Imprimerie*, reproductions of Wafflard's types are given (pl. 15, 16), but there seems

Text Romyn.

Lors qu'Aspasie étoit concubine d'Artaxerxès : On ne fauroit lui donner moins de vingt ans à la mort de Cyrus : elle avoit donc soixante - quinze ans lors qu'un nouveau Roi la demande comme une grace particuliere. PLTGA

ABCDEFGHIJKLMNOQSU  
VWXYZÆ ÆABCDEFGHIJKLM  
MMNOPQRSTUVWXYZ ÇÊÕÿ&  
12345678910†( [ ] ! ? à á ú û ñ

Text Cursyf.

*Ciceron menagea toijours Dola-  
bella le plus doucement qu'il put. Il  
avoit sans doute plus d'habileté que  
de fermeté, & il voioit que le parti  
de Pompée se ruinoit de plus en plus  
par les contiuelles victoires de Jules*

ABCDEFGHIJKLMNO  
PQRSTUVWXYZ. UÿÆ

Fig. 26. Fleischmann's roman and italic.

to be no authority for the attribution. They are more probably Firmin Didot's types. There is further uncertainty in the textbooks as to the dates of the first new Didot types. M. Marius Audin, in *Le Livre*, 1924, and Mr. Updike say about 1775. The letter to the *Mercure de France* quoted in Audin, pp. 73, 74, appeared in 1783. The writer, Anisson, director of the Imprimerie Royale, extolls Garamond and Baskerville as against the new Didot letters (see Coyecque, *Collection d'Anisson*, II, 450). In that year F. A. Didot printed three French classics in quarto, seven volumes in all, intended for the use of the Dauphin, Fénélon's *Télémaque*, a Racine and a Corneille. All are printed in a transitional roman of a very light cut. The type had appeared already in 1782 in a prospectus of a book on the engravings of E. S. Bartoli (see Updike, fig. 162). Mr. Updike's figs. 163 and 164 show similar "maigre" romans, one of them being called a "gras," notwithstanding its extreme lightness. This last was used in a book printed by P. F. Didot, le jeune, who had started a foundry in 1783. An edition of the works of Fénélon, of which the first volume was printed in 1787 by F. A. Didot, is also set in a "maigre." But already in 1784 there had appeared another type cut in the foundry of F. A. Didot, a type which is of great importance in the history of roman. We reproduce a page from the "Avis" of an edition of Tasso's *Gerusalemme Liberata* (fig. 27), of which the first part is announced for June, 1784. Following the definition of modern face given above, we must accept this type as a modern face and the first of its class. The thin, flat serifs, the verticality and abruptness of the shading (contrast the e of this type with that of any earlier roman) make this roman different only in degree of shading from the founts which Firmin Didot was later to cut. And yet the fact that the shading

Le prix de l'exemplaire, composé de deux volumes in-4° sur papier-vélin de la fabrique de messieurs Matthieu Johannot pere et fils, d'Annonai, premiers fabricants de cette sorte de papiers en France, et orné de quarante et une planches y compris le frontispice, sera de douze louis. Les souscripteurs ne feront aucune avance, et ne paieront qu'à mesure qu'ils recevront la partie de l'ouvrage achevée. Il sera partagé en quatre livraisons, composées chacune de dix planches et de la partie du texte correspondante.

La premiere livraison paroîtra dans le mois de juin de cette année 1784; en la recevant on paiera quatre louis. La seconde paroîtra dix mois après la premiere, et alors on paiera quatre autres louis. Les deux dernieres livraisons se feront de même de dix en dix mois successivement; et l'on paiera deux louis pour chacune. Ainsi, à-peu-près à l'époque fixée dans le premier prospectus, l'ouvrage sera complet; et l'on espere qu'il n'éprouvera plus de retard.

Fig. 27. Didot's Modern Face, 1784.



is not too exaggerated, together with the great skill of the engraver, make this roman of 1784 a far better type than the later designs which the Didots themselves came to prefer. In the same year F. A. Didot printed an octavo edition of *Télémaque* in a smaller size of the roman. Whether or not these two sizes were the work of Firmin Didot, by 1786 he had certainly produced two smaller sizes of the same design. These are found in the second edition of Pierre Didot's *Épître sur les progrès de l'Imprimerie* (in this second edition the *Épître* follows his *Fables nouvelles*) and Pierre expressly states that the 8 pt. roman of the text and the 9 pt. of the "Avertissement," as well as the italic of the notes, were cut by his brother. The italic in which the first edition of 1784 was printed, he says, was cut a year ago, i.e. in 1783, by Firmin at the age of nineteen (he was born April 14, 1764). This italic had already been used in the books of 1783.

In the page reproduced from the prospectus of the Tasso it will be seen that attention is drawn to the paper on which the book is to be printed, *papier-vélin*, that is, wove paper, made by the Johannot of Annonay. In most of the Didot books of this period the use of *papier-vélin* is specially mentioned. There appear to have been three French firms who were manufacturing wove paper about this time, Réveillon at Courtalin and the Montgolfier at Vidalon, besides Johannot. Pierre Didot claimed to be the initiator in this matter, and he states his case in the notes to the *Épître*, where he admits that Baskerville had printed his Virgil of 1757 on wove paper. M. Marius Audin in his article *De l'origine du papier-vélin* (Gutenberg Jahrbuch, 1928) has shown that the Montgolfier had a better claim to be the first French manufacturers. Whether Didot states the position with strict fairness is not our

concern here, but it should be noticed that the use of wove paper gave a sharper impression, a result which was imperative with the delicately cut types which the Didots were introducing. Another technical development which served a similar purpose was an improved press, now being used by both Didot and by Anisson at the Imprimerie Royale. The notes to the *Épître*, which are full of interest, include a relevant passage, in which Didot asserts that Anisson had copied the principle of the press introduced by his father, F. A. Didot. The note is appended to a passage about Baskerville, which reads : "Il n'y sut réformer un vice originaire Et n'en obtint jamais qu'un tirage inégal." The vice, says Didot, was due to the two pulls necessary with the old presses, in which the platen was only half the size of the forme, so that it had to be brought down twice for the printing of one sheet. There is an interesting passage on this "two pulls to the forme," in R. B. McKerrow's *An Introduction to Bibliography*, 1927, pp. 61-63, where the author dates the change to the larger platen at about 1800. The Didots were using such reformed presses by 1783, and claimed that a better impression was thereby obtained.

The Didot modern-face roman was again used in a Latin Bible of 1785 and in an edition of Bossuet's *Discours* of 1786. In 1788 the other branch of the family, P. F. Didot, produced an edition of the *De Imitatione Christi*, in new types by Henri Didot, son of P. F., which are almost modern face ; in this fount the verticality of the shading is not completely carried out, as may be seen in the e. Again attention is drawn to the *papier-vélin*. But Firmin Didot was not content to stop here. His delight at his own skill in cutting fine hair lines led him on to an over-modelling of his types, which became a European fashion and the hall-mark

of what are called classical types. The continuation can be seen in the Lucan of 1795, described as being printed "typis P. Didot," though in fact they were cut by Firmin. Pierre Didot began a foundry of his own only in 1809. The full flower of the Didot modern face can be seen in the Virgil of 1798 and the famous Louvre editions (see fig. 28). These books won universal, or almost universal, praise, and as a result Firmin Didot in 1812 was invited to reform the typography of the Imprimerie Impériale. Pierre Didot himself started a foundry and with the help of Vibert, an engraver trained by Firmin, produced the series of modern-face types shown in his specimen of 1819. These he preferred to the Baskerville letters which he had purchased as a curiosity and which, as we shall see, he was anxious to dispose of. The Didot modern face remained the standard letter in France, and for the mass of books is still the normal design in use to-day. Although some French printers have joined in the revival of old face, the general typography has changed far less than in England. A glance at any dozen recent novels printed in France will show that the Didot tradition is by no means broken.

And yet there were protests even when Firmin Didot was at the height of his fame. In *The Fleuron*, No. 6, Mr. Updike gave a translation of a speech by one Citizen Sobry delivered in the year VII (1800) to the "Société libre des Sciences, Arts et Lettres de Paris," relating to the types of Gillé fils, a follower of Didot. Sobry declares that Garamond's types are more legible than Didot's, because Garamond emphasised those parts of the shape of his letters which distinguished them from one another, while Didot emphasised the parts which are common to all; cf. for instance the u and n. He prefers the deep colour of Garamond to the

Hancce ego editionem, novos et, confidenter  
dicam, notorum hucusque omnium elegantis-  
simos fratris mei Firmini Didot typos exhiben-  
tem; puraque et candidiore charta, a consan-  
guineo nostro Didot *d'Essone* feliciter con-  
fecta, nitentem; simul et viginti tribus æneis  
tabulis perite incisis, et ab egregiis pictoribus  
Gerard et Girodet (qui proximos utriusque  
magistro David honores in arte sua occupant)  
delineatis, exornatam; ipse vigiliis curaque

Fig. 28. Didot's Modern Face, 1798.



grey of Didot, and declares that the Didots were led into error by copying the lettering of the engravers. According to Sobry, the last of the Anissons, who died in 1794 "révolutionnairement," always refused to adopt the Didot letter at the Imprimerie Nationale.

Anisson and Sobry were isolated cases, and most of the European typographers were seduced by Didot. The most famous of them, Giovanni Battista Bodoni of Parma, followed close in his footsteps. By 1787 he had cut types like the early Didot modern faces, used for instance for the Italian text of the *Lettre à M. le Marquis de Cubières*—the French text is set in a cursive, called by Bodoni "Cancellaresca"—and his name is especially associated with the fully developed modern face. This was because he was the most famous printer in Europe in his day, although as a designer of roman types he was never anything but an imitator of the French. His *Manuale Tipografico*, issued in 1818, after his death, is the most sumptuous display of modern-face types in existence. The book includes a long preface written by Bodoni from which great things might be expected. But it is disappointing reading. As to the design of types he has really very little to say, and part of what he does say is vague. He says that types owe their beauty in the main to four qualities: "regolarità," "nettezza e forbitura," "Buon gusto" and "grazia." In Mr. H. V. Marrot's version of this preface published in 1925, these terms are translated "regularity," "smartness and neatness," "good taste" and "charm." By regularity Bodoni appears to mean the standardisation of those parts of letters which are the same. Smartness and neatness refer to technical qualities of clean casting. In the paragraph on good taste the writer talks mainly of simplicity, and as to charm he says that "letters have charm when they

give the impression of being written not unwillingly or hastily, but painstakingly, as a labour of love." All this is rather vague and tells us nothing as to why Bodoni preferred the modern face and what he thought of contemporary typography, as compared with that of the fifteenth century.

In Germany, the Berlin typefounder, J. F. Unger, who is chiefly known for his light-faced Fraktur, received the sole agency for Didot types. A Sallust printed by him in 1790 is an example of his use of the Didot roman. In May of 1790, J. C. L. Prillwitz of Jena published his *Proben neuer Didotschen Lettern*, which led to disputes with Unger. Prillwitz' letters are so poor that Unger's objections might have seemed unnecessary. Breitkopf was also drawn into the discussion. The Leipzig founder seems to have been piqued because he had lost the chance of securing the agency.<sup>1</sup> Another German founder who imitated Didot and whose types are being used again to-day was J. E. Walbaum (Goslar, 1799, Weimar, 1803-36). Charles Enschedé's book shows examples of copies of Didot in Holland towards the end of the century. Anthony Bessemer, a Dutchman at work in Paris in 1795, supplied the Enschedé with a Cicero roman and italic, which are thoroughly modern face. In 1792 Hendrik van Staden had cut letters "naar de snee van Mr. Dido, à Paris."

The first English printer who modified the old-face roman in England was John Baskerville of Birmingham. He began work on his new types in 1750 and by 1754 had produced a specimen in the form of a prospectus of the forthcoming Virgil, which finally appeared in 1757. Baskerville was well-known on the Continent, and is generally said to have had much influence on Didot and Bodoni. But his influence seems to have been rather

<sup>1</sup> See Crous *Die erste Probe Didotscher Lettern*.

as a printer than as a designer of types. We have seen that his wove paper was copied in France, and his formula for book-production, his spaced capitals and leaded pages re-appear in the books of the so-called classical printers. But in pure typography there seems to be no trace of a Baskerville school outside Great Britain, except of course in the use of actual Baskerville types. Didot proceeded from the "romains du roi," and would have so proceeded if Baskerville had never printed. Even in England, where there was a Baskerville period in typography, the modern face came from the French, and not as a development from Baskerville.

A comparison of the Baskerville and Caslon romans will show in what manner the former modified the old face. As a writing-master himself he brought the contemporary practise of calligraphers into typography. His types are rather more modelled and their shading rather more vertical than that of the Caslon letters. Contrast, for instance, the distribution of weight in the e (see fig. 29). As a result of the greater modelling the counters of the round letters are larger and the type as a whole is lighter. But the serifs are still inclined and bracketed, nor are the thin lines excessively thin; therefore the roman has in general much more the appearance of old face than of modern face. Of individual letters, the Q with its new tail and the curly-tailed R (in some sizes only) are conspicuous. In the lower-case the tail of the g is not quite closed, and the w (upper-case also) has no serif on the centre stroke. These are helpful as "spot" letters, especially the w in texts in English.

Baskerville died in 1775 and the fate of his stock has been a curious one. Messrs. Straus and Dent (*John Baskerville*, 1904) give details of various printers at Birmingham and in the neighbourhood, including

his own foreman, Robert Martin, who had strikes or matrices of the types. But the main stock was sold to Beaumarchais who intended to produce an edition of the works of Voltaire at his press at Kehl, near Strassburg. A prospectus was issued in 1782 and the first volume appeared in 1784, the very year in which the

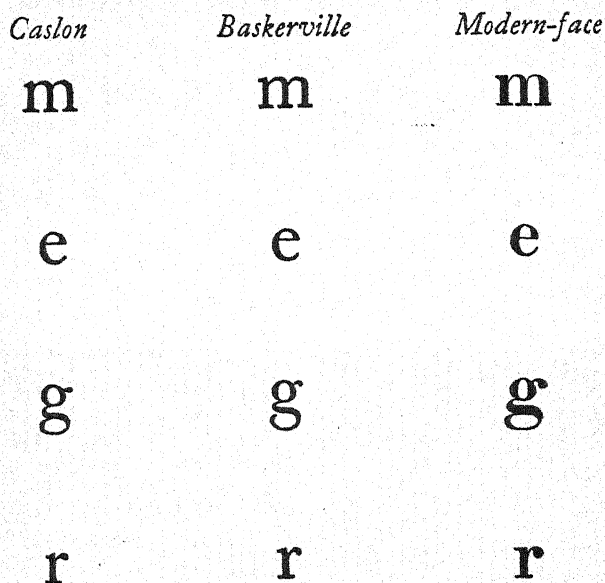


Fig. 29. Specimen letters comparing the three types.

Didots produced the first modern face. The Voltaire was completed in 1790, and further books in Baskerville, including several works by Alfieri, continued to appear from the press at Kehl, down to 1809. Even before the sale to Beaumarchais some of the type seems to have reached the Continent. Tomas de Yriate's *La Musica, Poema*, Madrid, Imprenta Real de la Gazeta, 1779, has Baskerville italic, and Baskerville roman is used for the notes. At some time during the Republic the types



were offered for sale in Paris, as may be gathered from a reproduction in Mr. Updike (fig. 272).<sup>1</sup> Apparently they were not then disposed of, but were acquired at a later date by Pierre Didot in the manner described in his letter here reproduced (see fig. 30). Evidently Didot had not the slightest intention of using them himself. The offer was not accepted by the English peer, and the types remained in France where they have occasionally been used. Of recent years the Harvard University Press have acquired strikes and in 1924, under the charge of Mr. Bruce Rogers, printed *The Portraits of Increase Mather* in original Baskerville. In England it may be recorded that William Pickering once used Baskerville in an edition of Juliana Berner's *Fishing with an Angle*, 1827, printed by Thomas White.

In spite of the fact that there was not sufficient enthusiasm for the Baskerville types to secure their preservation in England, yet the leading typefounders were paying him the compliment of imitating his designs. The early specimens of Isaac Moore of Bristol, the type-cutter to the Fry foundry, show romans which owe much to Baskerville. The distribution of weight and the modelling, as well as minor points like the tail of the g and the pointed apex of the A, are evidence of this fact, and in John Smith's *The Printer's Grammar*, 1787, where the Fry types are shown, the debt is admitted. In the Fry specimen of 1785 it is expressly stated in the preface that the types are modelled on those of William Caslon. But, in fact, this is only true of the smaller sizes, the larger being still the "Baskerville" types of Moore. Baskerville was dead and was not a competitor in the type-founding business. That the romans shown in Alexander Wilson's, the Glasgow founder's, specimen sheet of 1772 are derived from the

<sup>1</sup> See also Berry and Johnson *English Type Specimen Books*.

Le 16 Janvier 1819.

My Lord,

J'ai fait depuis peu l'acquisition de tous les types de Baskerville, c'est à dire de tous ses poinçons en acier, et de toutes ses matrices de cuivre, en nombre d'environ vingt deux caractères différents depuis le plus petit jusqu'au plus gros romain et italique. C'est l'ensemble d'une des plus belles fonderies qui existent; et je l'ai acheté par occasion, et simplement comme objet de curiosité, n'ayant pas eu envie d'y mettre un grand prix, ma nouvelle fonderie à laquelle je travaille depuis huit années consécutives étant bientôt terminée. Cette fonderie de Baskerville se compose de plus de trois milles poinçons en acier, et d'autant de matrices. Beaumarchais la lui a payée vingt mille livres sterling. C'est de Madame Delarue, fille de Beaumarchais, que j'ai fait cette acquisition, partie en argent, partie en éditions imprimées par moi. Si, comme objet de curiosité, ce bel ensemble de types anglais parait vous convenir, j'ai l'honneur de vous le proposer pour le prix de six mille francs. De plus, dans quelque pays que ce fût, cette fonderie pourroit encore faire un état à quelqu'un que vous auriez intention de récompenser, ou d'encourager.

J'ai l'honneur d'être avec respect, my Lord, Votre très humble et obéissant serviteur.

P. Didot, l'ainé.

Fig. 30. Letter about Baskerville's types in Monotype Baskerville.

same source, is generally admitted. William Martin, brother of Robert Martin, who worked with Baskerville, made some reputation towards the end of the century by the types which he cut for the Shakespeare Press, the favourite types of William Bulmer. These, too, are of the Baskerville school, as is particularly evident in the case of the italic. The excellent roman shown in Vincent Figgins' first specimen of 1793, is another example, and yet another is supplied by William Caslon III, after he had separated from the original Caslon firm and had bought the foundry of Joseph Jackson. His transitional roman appears in his specimen of 1798. The last quarter of the eighteenth century might well be described as the Baskerville period in English printing, both on account of the number of Baskerville designs which had been put on the market and because his formula for book-production had been widely adopted.

In 1788 John Bell, of the British Letter Foundry, issued his first specimen of type cut by Richard Austin. Attention was called to the important and beautiful Austin letters, still in the possession of Messrs. Stephenson Blake & Co., by Mr. Stanley Morison in an article, *Towards an Ideal Italic*, in *The Fleuron*, No. 5. Mr. Morison calls it "our first independent design," and further says: "while maintaining a predominantly old-face character (it) exhibits tendencies towards the modern face." Elsewhere, in his *John Bell*, 1930, he has called it the first English modern face. It is significant that John Bell was in Paris in 1785, visiting the printers and typefounders. The only known copy of his specimen of 1788 is in the Bibliothèque Nationale in the Anisson collection. The type seems to be inspired by the Didot letter of 1784, which we have called the first modern face. There are a few reminiscences of Baskerville,

for instance the Q, and some of the italic capitals, but these are minor points. Although reminding one of the early Didot, yet Austin's roman stops short of Didot in several important particulars. The serifs are flat (in the English size the serifs at the top of the ascenders are not quite flat, but they are in the larger size), but they are bracketed, and very delicately cut. The shading is not quite vertical, note the e, and is far from abrupt. The designer has supplied two Ks and two Rs, the curly-tailed and the earlier form, and two t's, the modern where the cross-stroke is not bracketed and the old form. He shows also a short-ranging J and modern figures. Mr. Morison seems to be justified in calling it an independent design, but according to our definition it should not be classed as a modern face, or, at any rate, not without limitation (see fig. 31). It may be added that the type was used occasionally by William Bulmer, as in Sir William Drummond's *Philosophical Sketches*, issued anonymously in 1795. The roman which Mr. Updike used for the text of his *Printing Types*, called "Oxford" and originally cut by Binney and Ronaldson of Philadelphia, seems to have some affinity with Austin's.

Austin under the pressure of fashion went on to cut several series of modern-face types, although during the years when the full modern face was becoming fashionable in England, he appears to have been engaged as an engraver of ornaments, the British Letter Foundry having failed in 1798. He cut modern types for the Wilson foundry at Glasgow and for William Miller at Edinburgh. By 1819 he had a foundry of his own in London, in Worship Street, called the Imperial Letter Foundry, and a specimen was issued in 1819. In the interesting introduction he says: "The modern or new fashioned faced printing-type at present in use was



introduced by the French, about 20 years ago ; the old-shaped letters being capable of some improvement . . . but unfortunately for the typographic art, a transition was made from one extreme to the opposite: thus instead of having letters somewhat too clumsy, we now have them with hair lines so extremely thin as to render it impossible for them to preserve their delicacy beyond a few applications of the lye-brush, or the most careful distribution ; thus may types be said to be in a worn state ere they are well got to work. The hair lines being now below the surface of the main strokes of the letters, the Printer, in order to get an impression of all parts of the face, is obliged to use a softer backing, and additional pressure. . . . In forcing the paper down to meet the depressed part of the face, it at the same time takes off the impression of part of the sides, as is evident from the ragged appearance of printing from such types." He goes on to say that the types of thirty years ago were better, and further that the punches of the Imperial Letter Foundry will be cut in a peculiar manner, to assist this useful invention (stereotyping). What the peculiar manner is we are not told, but at any rate Austin seems to have avoided the evil results which he describes by slightly bracketing his serifs. His complaint against the modern face seems to be made on technical grounds, but at least we may draw the conclusion that he was not responsible for introducing the French new-fashioned faced types. His type of thirty years ago, the John Bell type, he would consider as belonging to an earlier and better period of letter-founding.

John Bell's newspaper, *The Oracle*, was printed in the early Austin type from 1792, and this fact seems to have influenced newspaper typography. The type was copied by Fry and later, in November, 1799, *The Times* appeared in a new type from the Caslon foundry. In his article

The modern or new fashioned faced printing type at present in use was introduced by the French, about twenty years ago, the old shaped letters being capable of some improvement...but unfortunately for the typographic art, a transition was made from one extreme to its opposite: thus instead of having letters somewhat too clumsy, we now have them with hair lines so extremely thin as to render it impossible for them to preserve their delicacy beyond a few applications of the lye-brush, or the most careful distribution; thus may types be said to be in a worn state ere they are well got to work. The hair lines being now below the surface of the main strokes of the letters, the Printer, in order to get an impression of all parts of the face, is obliged to use a softer backing, and additional pressure...In forcing the paper down to meet the depressed part of the face, it at the same time takes off the impression of part of the sides, as is evident from the ragged appearance of printing from such types.

Fig. 31. John Bell's Type, 1788.

on newspaper types in *The Times Printing Supplement*, 1929, Mr. Morison shows this letter, which he describes as modern. It is like the Austin type in its bracketed serifs, gradual shading and not quite vertical colour. When compared with a type cut by Robert Thorne in 1800 the contrast is striking. In Thorne's letter we have an undoubted modern face, which so far as recorded appears to be the first to answer the definition of modern face which we have given. This letter of 1800 appeared in Thorne's specimen book of 1803, where all the letters described as new are modern face; another one is dated 1802 (see fig. 32). In the preface Thorne calls them "improved printing types." For some reason or other this new letter was highly popular and the other type-founders soon followed Thorne's example. Fry issued a specimen including some modern faces in the same year as Thorne, 1803;<sup>1</sup> these, together with the new letters of the Caslon firm were shown in Stower's *Printer's Grammar*, 1808, where regret is expressed that Figgins' new letters were not yet ready. That the Fry Foundry was following the compulsion of fashion rather than their own wish is evident from some words of Dr. Edmund Fry, the head of the firm, in the circular issued at the time of the sale of his foundry in 1828, quoted by Reed. After referring to the revolution in the type-founding trade, he says: "The Baskerville and Caslon imitations . . . were laid by for ever; and many thousand pounds worth of new letters in Founts . . . were taken from the shelves, and carried to the melting-pot to be recast into Types, no doubt in many instances more beautiful; but no instance has occurred in the attentive observation of the Proprietor of this Foundry where

<sup>1</sup> William Savage, in his *Practical Hints on Decorative Printing*, shows a Caslon modern face and dates it 1796; but no such specimen appears in the Caslon specimen book of 1800.

**GREAT PRIMER, No. 1. NEW.**

Quousque tandem abutere Catilina,  
patientia nostra? quamdiu nos etiam  
furor iste tuus eludet? quem ad  
finem sese effrenata jactabit auda-  
cia? nihilne te nocturnum præsi-  
dium palatii, nihil consensus bono-  
rum omnium, nihil hic munitissimus  
habendi senatus locus, nihil horum  
ora vultusque moverunt? patere  
tua consilia non sentis? constrictam  
jam omnium horum conscientia te-  
neri conjurationem tuam non vides?  
quid proxima, quid superiore nocte

ABCDEFGHIJKLMNOPQRST  
UVWXYZÆŒ œ £1234567890  
ABCDEFGHIJKLMNOPQRSTUVWXYZÆ

Fig. 32. Thorne's Modern Face.



any Founts of book letters on the present system, have been found equal in service, or really so agreeable to the reader, as the true *Caslon*-shaped Elzevir types." It is a curious fact that the principal type-founders—the Caslons in their specimens of 1825 refer with regret to the original Caslon types no longer shown—and connoisseurs such as Hansard in his *Typographia*, are all agreed in condemning the new fashion, and yet all were forced to follow the taste of the day. Thorne appears to have enjoyed his success and went on to further exaggerations, to the cutting of fat-faced types, which in turn were imported into France. So far as the evidence of the type specimen books goes, Thorne appears to be the founder who was responsible for sponsoring the full modern face in England.

At this very time when the fate of English typography was being settled for the next century, there was a remarkable improvement in the standard of English book production, due to the work of Thomas Bewick as an illustrator, and of William Bulmer and Thomas Bensley as printers. Although they were clearly influenced by Didot and Bodoni, it so happens that the typography of their early and best period was not modern face. The type used by Bensley for printing Macklin's *Bible* and for Thomson's *Seasons*, 1798, was the earliest roman of Vincent Figgins, a transitional type, while William Bulmer's favourite roman, used in many well-known books issued by the Shakespeare Press, was that of William Martin. Martin was a brother of Robert Martin, who had worked with Baskerville, and his types show the influence of that designer, more particularly in the italic. The roman is definitely not a modern face, much less so than the John Bell type. It has the eighteenth century R, ranging figures and a modern g with a curly ear, but the serifs are not quite

flat and the stress not vertical. The g, which appears to lean backwards, is perhaps the easiest letter to recognise. No specimen seems to have been issued by Martin, but a specimen of a Liverpool printer, G. F. Harris, 1807, displays his types. Harris was successor to John MacCreery, who had used Martin's type in a poem entitled *The Press*, 1803.

## Chapter 4

### OLD-FACE TYPES IN THE VICTORIAN AGE

THE story of the slow revolution in our book typography from the modern faces of the nineteenth century back to the old faces has not been recorded in much detail. One receives the impression that the Chiswick Press was an outstanding exception, and that the next event of importance in English typography was the founding of the Kelmscott Press. William Morris and his pupils certainly did much to raise the general level of printing, but as to the development of the book types used by the ordinary publishers they have nothing to do with the story. In 1840 our typography was without exception modern face. After that year the old faces crept in slowly, and their use gradually increased, year by year, until the picture is now reversed. This change over would have taken place if Morris had never printed, and was in fact ensured before his first type was cut.

An account of the actual revival of Caslon old face by the younger Charles Whittingham of the Chiswick Press may be read in the text books such as Updike. The reader may, however, be reminded that the story as there given is not quite complete. The printing of *Lady Willoughby's Diary*, in 1844, for Longmans, was not Whittingham's first experiment with the type. He had at the time several books in hand, to be set in Caslon, for William Pickering, and had already, from 1840, used Caslon capitals on title-pages for that

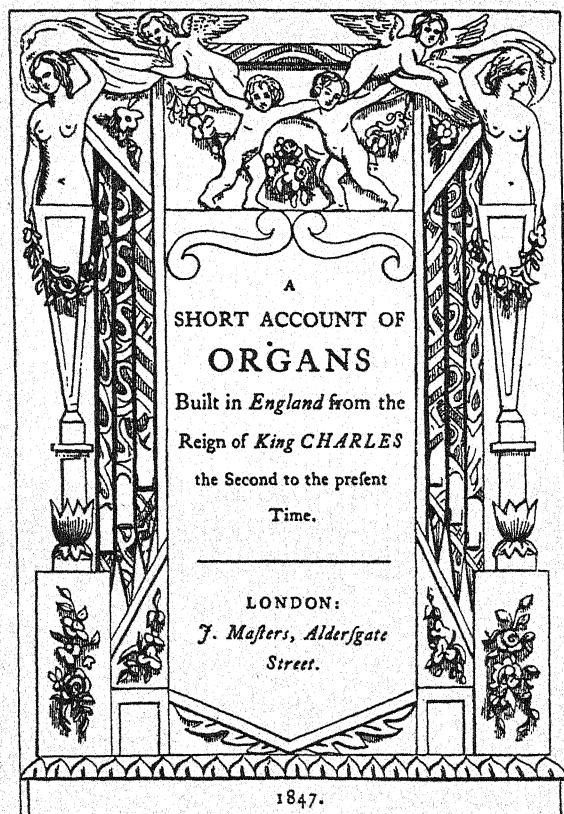


Fig. 33. Revival of Caslon.



enterprising publisher. The details are given in Geoffrey Keynes' *Bibliography of William Pickering*. From 1844 the Chiswick Press frequently used the type. Of many successful volumes it is pleasant to recall that gayest of all school books, the Euclid of 1847, with its illustrations in colour.

At the Great Exhibition of 1851 Whittingham was one of the jurors for printing, and in his report, issued in 1852, he writes: "Mr. Whittingham at the suggestion of Mr. Pickering first reintroduced the old letters of Garamond and Jenson, and many of the London printers have since followed." The remark about the "many" London printers is somewhat surprising at that date, for it is only rarely that one comes across a book of the forties or early fifties set in an old face unless from the Chiswick Press. Whittingham's chief follower was a publisher and printer of religious books of the Anglo-Catholic school, Joseph Masters. In 1847 Masters had a book, *A Short Account of Organs*, printed in Caslon at the Chiswick Press (see fig. 33). In 1848 he himself printed two books in the same style and type, a *Book of Common Prayer*, and J. E. Millard's *Historical Notices of the Office of Choristers* (see fig. 34). The *Common Prayer* he describes as being printed in the "Old Elzevir type." A third volume followed in 1849, *The Devout Chorister*, by T. F. Smith. Amongst a large number of books in modern face Masters continued to produce an occasional volume in Caslon, all charming little books not unworthy of Whittingham. In the sixties the devotional books which he printed for the Rev. Orby Shipley are among his best work. By 1860 Caslon had become a favourite type for books of that class; for example the *Pietas Privata*, 1859, was printed by J. Unwin for Ward & Co. in Caslon. A Catholic printer, John Philp, was yet another old face enthusiast.

HISTORICAL NOTICES

of

The Office of

CHORISTERS.

By the

REV. JAMES ELWIN MILLARD, B.A.

*Head Master of Magdalen College School,  
Oxford.*

Imprinted by JOSEPH MASTERS, at his Dwelling  
House in *Aldersgate*, within the City of  
London : sold also at his Shop, 78,  
*New Bond Street*, in the  
City of Westminster.

m d ccc xlviii.

Fig. 34. Revival of Caslon.

A page from his edition of the *Garden of the Soul*, 1860, is shown in Mr. Morison's *Four Centuries of Fine Printing*. Another of Philp's publications, also of 1860, was a music book, a *Cantata on the Passion of Jesus Christ*, of Saint Alphonsus Maria de Liguora, in which the title-page and preliminaries are handsomely set in Caslon, and a third, a *Life of St. Catherine of Sienna*, 1867.

Among early examples of Caslon-set books of a more general nature are R. A. Willmot's *Pleasures of Literature*, published by T. Bosworth in 1852, and an edition of Tupper's *Proverbial Philosophy*, printed in 1854 by Vizetelly for T. Hatchard. The Tupper belongs to a group of books in old faces produced for Christmas and described in the advertisements as "Elegant Presentation Books." In 1855 Clay printed for Sampson Low & Co., editions of Keats' *Eve of St. Agnes*, Thomas Campbell's *Pleasures of Hope*, and Goldsmith's *Vicar of Wakefield*, all in old face types. Similar volumes followed each year and a particular style of binding is associated with these books. They are all in embossed cloth covers, gaudily decorated. The advertisements in *The Publishers' Circular* become of interest on this point. This periodical was issued by Sampson Low & Co., who no doubt were responsible for the new illustrated display pages, chiefly of Christmas books, set in Caslon capitals. The first occurrence of this new style was in 1854, although the books so advertised in that year were themselves printed in modern face. In 1855 there are half a dozen of these Caslon-set advertisements, three in 1856, none in 1857, and fifteen in 1858, most of the books being printed in old face.

The original Caslon was not the only eighteenth century type to be revived. The example of the Chiswick Press had led other founders to look over their old stock, and we find, for example, Vincent Figgins in a

specimen book of the fifties showing a page of the original romans of the first Vincent Figgins, dated 1795. Another transitional type of the end of the eighteenth century was used by the Brothers Dalziel, the wood engravers, who started their own "Camden Press" in 1857. This type, possibly a Caslon of the 1790's, may be seen in Doyle and Planché's *The Old Fairy Tale*, 1865. The roman can be distinguished from the original Caslon by the A, with a pointed apex, the Q with the tail starting inside the counter of the letter and the curly-tailed R. The italic has some unusual letters, the *b* and *p* for instance, and is not really an old face at all.

The ordinary publishers as yet certainly did not believe that the old faces were more legible. They were all right for books which might or might not be read, but they were not going to use them for sensible reading matter. We may note in passing that Caslon was reintroduced into the United States in 1858, bought by L. Johnson & Co., of Philadelphia. The English founders were in no hurry to copy, and the next experiment was made by Whittingham himself.

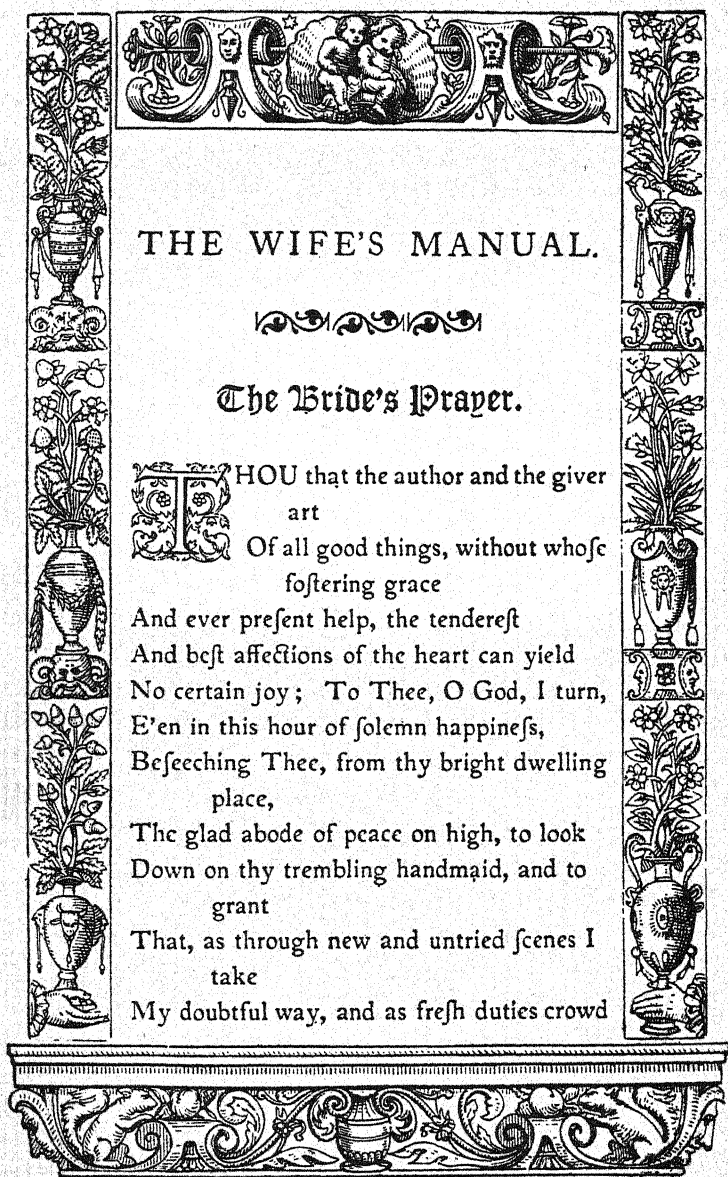
This was the type known as *Basle roman*, which was cut for the Chiswick Press by William Howard of Great Queen Street. Urdike, referring to its use by William Morris in 1889, says that it was cut about 50 years before that date. I have found no example of its use earlier than 1854, but possibly Whittingham's report of 1852, with its reference to the letters of Jenson, is an indication that it was in existence by that date. In 1854 it was used for the text of the Rev. William Calvert's volume of religious verse entitled *The Wife's Manual* (see fig. 35). There were later editions in 1856 and in 1861, both set in the same type. The title-page was set in Caslon, as there appears to have been only one size of the *Basle roman*, 10-11 pt., and no italic. William Howard was



an ex-sailor, and from the account given of him in A. Warren's book on *The Charles Whittinghams*, 1896, seems to have been something of a character. He had a small foundry in Great Queen Street from 1842 to 1859 (he died in 1864), and was much employed by Whittingham. He had a hand in the cutting of the Chiswick replica of one of Caxton's types.

Apart from experiments to reproduce Caxton's books in type-facsimile, the Basle roman was unique in this country as an attempt to copy an early design. The type is based on the kind of roman used in the early part of the sixteenth century by Johann Froben, of Basle. It is a pre-Garamond roman, what we should call a Venetian rather than an old face, such as was in use at Basle and at Lyons, down to about 1550. It is a heavy face, with an oblique stroke to the eye of the e, and other characteristics which ally it with fifteenth-century types. The stress is definitely diagonal, so much so that the o has an angular appearance. The old-fashioned long s was used with the fount and the squarish terminals of this letter are conspicuous. The short s has a noticeably steep spine. An oblique stroke is used for the dot over the i, another fifteenth-century characteristic.

This type was much too exotic to appeal to printers in general, but its antique flavour attracted William Morris. In 1889 he had his prose romance, *A Tale of the House of the Wolfings*, set in Basle roman. He dropped the long s, but on the other hand he had his pages set solid—the pages of *The Wife's Manual* were leaded—which emphasised the blackness of the face. The title is in Caslon capitals, and the table of contents in an italic, which is presumably the Aldine italic of the Chiswick Press, another of their experiments in the reproduction of earlier designs. In another romance, *The Roots of the Mountains*, 1890 (the book actually appeared



B

Fig. 35. The Basle roman.

in 1889) Morris used the type again, but had a different cut, one with the bar nearly, but not quite, horizontal. The only other books which I know of set in Basle roman, are three volumes of religious verse by the Rev. Orby Shipley, *Lyra Eucharistica*, 1863; *Lyra Messianica*, 1864; and *Lyra Mystica*, 1865.

Many years after Whittingham had shown an interest in Caslon Old Face, in 1857, it made its first re-appearance in a specimen book of the Caslon firm. In 1860 there appeared the first specimen of Miller & Richard's *Old Style*, a modernised old face. This was cut by their employee in Edinburgh, Alexander C. Phemister. In the specimen of 1860 eight sizes were shown, from great primer to pearl. The founders state that it was intended to meet the growing demand for old faces and explain that "they have endeavoured to avoid the objectionable peculiarities, whilst retaining the distinctive characteristics of the mediæval letters." As to the word mediæval in this connection, it is but one more example of the odd vocabulary used by founders. Old faces are certainly nearer in time to the middle ages than the modern faces, but to call the roman of the Italian renaissance mediæval is to make hay of typographic history. An examination of the type will reveal what the founders understood by the "objectionable peculiarities" of the earlier letters. It has two of the chief characteristics of the old faces, the bracketed and inclined serifs and the gradual stress.<sup>1</sup> On the other hand the stress is vertical and there is a regularity and a certain sharpness of cut which are modern. The upper-case is not unlike Caslon, but there is a uniformity of width about the letters which is a relic of the modern face. For example, the H, M, and W are narrower,

<sup>1</sup> This is not so in all versions of old style; for example in Miller & Richard's No. 4 old style.



and the bowls of the P and R wider than in Caslon. The A has a flat top (in Caslon it is oblique). The curves of the C and G are more open, and the C has no lower serif, while the top serif is more spur-shaped. In the lower-case the bowl of the a and the eye of the e are larger, and the t is taller than in Caslon. These are no doubt the letters which appeared peculiar to type-designers trained in the modern-face school. Perhaps the letter which differs most from Caslon is the g. The tail or loop begins with a steep inclination, a form which is possibly a reminiscence of the French Old Style or Elzevir, a type which just preceded Miller & Richards' design. However that may be, this g is a most useful "spot" letter. The italic is steeply but more regularly inclined than Caslon. Note especially among the capitals the A, V and W. In the lower-case there is one peculiarity that is easily remembered. The thin up-strokes take off from the very foot of the thick down-strokes. The main stem of the p is conspicuously tall.

This excellent face succeeded in certain quarters and found imitators before long. At least one may perhaps say "before long" on the subject of the slow moving history of typography. Phemister, cutter of the original design, went to the U.S.A. in 1861, and by 1863 had produced for the Dickinson Foundry of Boston, another version known as *Franklin Old Style*. He died in the United States in 1894, after a busy career as a designer of types. Genzsch & Heyse, of Hamburg, in 1868, showed their *English Mediæval*, for which they said they had procured matrices from a leading firm of English founders, presumably Miller & Richard. In the meantime in the *Printers' Register* for 1866 four interesting advertisements are to be seen side by side. Miller & Richard announced the completion of their



series of Old Style types, while the Caslon firm assert that their Old Face is "invariably selected by the *Literati* as the only genuine Old Face Type." In September, 1866, Stephenson, Blake & Co., of Sheffield, display their "New Series of Old Style Types," which differ in some small points from the original Old Style. The A has a pointed apex, the S a steeper spine, and the T spurs to its serifs. The angle of inclination of the italic is not so great. In October, 1866, Reed & Fox, the Fann Street Foundry, show their "New Series of Mediæval Founts," a close imitation of Miller & Richard; as to the name, if the original founders could refer to the old faces as mediæval, there is some excuse for Reed & Fox. In 1868 yet a third firm, the Patent Typefoundry Company (afterwards Shanks), produced an Old Style.

It is evident then that by this time Old Style had been accepted and the fact can be illustrated from the printed books of the period. For example, John Payne Collier, one of the "Literati" of the day, a well-known Shakespearean scholar, published privately many reprints of tracts from early English literature. From 1862 onwards these are generally printed in Old Style. An Edinburgh firm—it will be remembered that Miller & Richard's foundry was in Edinburgh—W. P. Nimmo, used the new letter from the early sixties. John Philp, from about 1867, seems to have preferred Old Style to Caslon, for instance, in his edition of Joannes Lanspergius' *An Epistle of Jesus Christ to the Faithful Soul*, 1867 (see fig. 36), and many of his later books. He was, however, no longer his own printer, but generally employed J. Ogden. About the same time, before 1870, Hodder & Stoughton also were issuing books of a religious nature in Old Style. Again the advertisements in the *Publishers' Circular* show that from 1864 Old Style began to rival Caslon in display.

AN  
EPISTLE OF JESUS CHRIST  
TO THE  
FAITHFUL SOUL,

that is devoutly affected towards Him :

Wherein are contained certain divine inspirations  
teaching a man to know himself, and instruct-  
ing him in the perfection of true Piety.

Written in *Latin* by the devout servant of Christ,  
JOANNES LANSPERGIUS, a *Charter-House Monk*;

and Translated into *English* by  
LORD PHILIP, XIXTH EARL OF ARUNDEL.

(Reprinted from the Edition of 1610.)

Dedicated, by Permission, to  
HIS GRACE THE DUKE OF NORFOLK,  
Earl Marshal of England, &c., &c.

*Second*



*Thousand.*

LONDON :  
JOHN PHILP, 7, Orchard Street, Portman Square.

1867.

Fig. 36. Old Style.

On February 7, 1865, there appeared the first number the *The Pall Mall Gazette*, set in Old Style, a revolutionary change in newspaper typography. The example was followed by three other evening papers, *The Echo*, in 1868, *The St. James's Gazette* in 1880, and later by *The Westminster Gazette*.

Herbert Horne's *Hobby Horse* of 1888 has often been quoted as the classical example of the use of Old Style and as a pioneer volume in the abandonment of the modern face. A trial number of the *Hobby Horse* had been printed in 1884, in Caslon, and the first regular issues from 1886 were set in a small size of Old Style. The larger size, used from 1888, certainly displayed the good qualities of the type, but by that date it had been used for more than 20 years and often effectively used. One printer in particular had not waited for the *Hobby Horse* to show the reading public what could be done with Old Style. This was Andrew White Tuer of the Leadenhall Press, a versatile printer and publisher whose work deserves to be better known.

Tuer (1838-1900) was born in Sunderland, educated at Newcastle-on-Tyne and York, and came to London as a medical student at Guy's Hospital. He never completed his course there, and in 1862 we find him established as a wholesale stationer at 136, The Minories. In the following year he was joined by Robert Field, the firm being known as Field & Tuer. About 1868 they moved to 50, Leadenhall Street, where they printed and published *The Paper and Printing Trades Journal*, the first number of which is dated December, 1872. This journal, one of the earliest of its kind, was published by Field & Tuer for nearly 20 years, being continued later by John Southward. From the first it was printed in Old Style with a display title, in the early numbers, in Old Style italic; after a few issues this titling was dropped

and a block substituted. Some woodcut initials, generally reproductions from the sixteenth century examples, were used as decoration. There is little or nothing of lasting interest in the matter of the periodical, and the advertisements are not above the average of the day, that is to say they are very poor. Even Field & Tuer's own advertisements of their Japanese papers and their "Stickphast" are no exception.

The most interesting part of Tuer's career begins in 1879 when his firm began to publish books, including a number of which Tuer himself was the author or compiler. His first book was an odd publication called *Luxurious Bathing*, in which a treatise on baths from a hygienic point of view was combined with 12 landscape etchings by Sutton Sharpe. The typography of the book was Caslon Old Face. Several other editions appeared with etchings from other hands, equally disconnected from the subject of Tuer's essay. The firm continued to publish down to Tuer's death in 1900, at first as Field & Tuer; in the course of the year 1890 Field's name dropped out and the imprint became The Leadenhall Press. Field, who died in 1891, appears to have been merely a sleeping partner or financial backer. The publishing house could boast of a fairly extensive and somewhat unusual list. A number of their books dealt with the fashions and manners of bygone days, many were reprints of earlier books illustrated by contemporary blocks, and others reprints of early children's books. Among the authors on their list were Max O'Rell (Paul Blouet) and Jerome K. Jerome. A few of the books were printed in Caslon and a few in an old face which is not Caslon, but the great majority in Old Style. Only rarely did the Leadenhall Press think it desirable to use a modern face; one example is a lecture by Sir William Flinders Petrie printed in 1884. A few



of the firm's earlier efforts might be described as "arty"; but Tuer's taste seemed to improve rapidly and the failures were few. The books were well printed, on good paper, with interesting title-pages, and decorated often with a daring quite exceptional at the time.

The most important of Tuer's own works was his life of the engraver, Bartolozzi, which appeared in two large volumes in 1882; there was a smaller edition without the plates in 1885. Although it has nothing to do with our subject, a digression apropos of Ruskin and this book, illustrative of the manners of the great, may be permitted. Although Tuer's own tastes inclined to the eighteenth century and the Regency, he was, however, a great admirer of Ruskin and was continually quoting him. A copy of the Bartolozzi was sent to the great man, who after a considerable delay replied on December 16, 1884, in these terms: "The Bartolozzi has reached me safely, but I have no time to acknowledge books sent to me out of my line. I see it is rising in price, and when I come to it, with your good leave will return it, as it is of no use to me."

To return to the typography of the book itself, the text is in Old Style, the title in a bold italic of the old-face school, and the running title in Old Style italic within rules. The title-page is well arranged and very full. Tuer never shrank from saying all that he wanted to say on the title-page and would not have approved of the anæmic fashion of the present day. The imprint is set in swash capitals, one of Tuer's failings; he was altogether too fond of these letters and his more usual imprint in lower-case Old Style italic is much to be preferred. The Bartolozzi is a large quarto, the size of the page being controlled by the plates, and Tuer is very successful with the help of ruled pages, in coping with the difficulties of a large page. Another volume

on an ambitious scale is Hoppner's *Bygone Beauties*, ten portraits engraved by Charles Wilkins about 1803 and printed from the original plates. The title-page shows a daring mixture of types; one line is in a large lower-case old face, one in Lyons capitals, one in outline capitals, and others in italic. The text pages are decorated with head and tail pieces and woodcut initials.

Tuer's best volume is perhaps *The Follies and Fashions of our Grandfathers*, published in 1886. The title is set in an outline italic, the chapter headings in outline roman capitals, and the text in Old Style. Some unusual small script initials are used at paragraph openings. The text consists of extracts from fashion and other journals of the year 1807, bearing on social life, with illustrations, printed, many of them, from contemporary plates. Tuer contrived to get hold of an extraordinary number of old copper-plates and made very good use of them. In an article in No. 6 of *The Fleuron* Mr. Morison noted Tuer's use of outline letters, and said that he was the only printer between Thorne and our own generation who used such letters. The roman capitals are possibly the Caslon outline capitals dating from about 1790; the italic outline letters may have been prepared at the Leadenhall Press by cutting away the centre of the strokes. Tuer was of an ingenious turn of mind, and the use of the script initials we have mentioned was another of his tricks. The smaller ones are simply the capitals of a fount of English Ronde, and the larger the capitals of one of the fancy types of the age, resembling the Caslon *Gutenberg* series. As detached thus by Tuer from their proper founts they are not unsatisfactory (see fig. 37).

Before Tuer's career came to an end, Caslon Old Face and Old Style had ceased to be exceptional in our typography. Yet so conservative are English printers

that there was no demand for any further experiments either in the reproduction of early designs or in types of any originality. In the United States Franklin Old Style was soon followed by Ronaldson and a number of types of the same school. It is a striking fact that in this country, apart from the privately owned faces of the Kelmscott, Doves and other presses, the first acceptable book type to be cut after the Old Style of 1860 was the "Monotype" Imprint of 1913. In view of this conservatism it is perhaps not so surprising to find that to-day more books are actually set in Old Style than in any other type. But these are no longer the choicest books. Old Style has become the poor relation in typographical society. It is left for the cheapest kind of books, often ill-used, impressed on the wrong sort of paper, and seldom given a chance to show its best qualities. It has had its day, and in its day has played a rôle of some importance.

A parallel movement in France begins with the work of a printer of Lyons, Louis Perrin. Having to print a work by Alphonse de Boissieux on ancient inscriptions found in Lyons, Perrin cut a special series of capitals based on the inscriptional lettering. These were widely copied and were introduced into England by the Chiswick Press under the name of Lyons capitals. They were shown in a specimen of 1867, and, as we have already seen, were often used by Tuer. Like another famous inscriptional alphabet, the lettering of the Trajan Column at Rome, the Lyons capitals are of varying width, letters like E and M being narrower than the round letters D and O. In the modern face this sound principle of letter designing had been ignored and capitals had become of uniform width. Perrin afterwards cut a lower-case for these capitals and called the fount "*Caractères augustaux*." In 1857 a Parisian founder, Théophile

THE  
FOLLIES & FASHIONS  
OF  
OUR GRANDFATHERS.

---

EMBELLISHMENTS.

---

LADY HAMILTON AS *CASSANDRA*.

ACCORDING to the promise made last month we now present our readers with a beautiful print of Lady Hamilton as *Cassandra*, from a picture painted by Mr. Romney as a present for her mother. It is stated by competent judges to be the most beautiful and successful head yet painted of her.

A SNOW SCENE.

To those unfortunate enough to have been compelled to take a long journey by coach in the middle of winter, the memory of half frozen limbs and perhaps the entire stoppage of the journey through accumulations of snow, cannot be pleasant. A winter landscape has, however, beauties of its own, which those who study our engraving will readily allow.

FASHIONS FOR APRIL, 1807.

BEAUTIFULLY coloured Morning Dresses for Ladies and Gentlemen.

A

Fig. 37. Andrew Tuer, 1886.



Beaudoir, followed Perrin with his type known as Elzevir, of which the upper-case closely resembled the Lyons capitals and of which the lower-case should more properly have been called Garamond. However, Elzevir had become the established name for French Old Style and it is Beaudoir's type which seems to have been known to Phemister, if we may judge by the similarity of the lower-case g's. In spite of these Elzevir types and the work of publishers like Jules Claye, the Didot influence has remained stronger in France than the corresponding modern face in England. The majority of French books are still set in "Didot."

## Chapter 5

### ITALIC : THE OLD FACE

ITALIC is properly a subdivision of roman ; it bears the same relation to roman which Schwabacher bears to Textura. It is a cursive letter and was so called by its original designers, "corsiva" or "cancellaresca," and is still called cursiv by the Germans. Our name, italic, which we get like roman through the French, is not good, since roman is equally an Italian letter. Italics may be divided into four main groups : (a) the Aldine, (b) the Vicentino group, (c) the group which is the contemporary of old face roman, and (d) the modernised Italics. The Aldine letter had a comparatively short career, and is historically perhaps of less importance than the Vicentino group.

The Aldine italic (see fig. 38) was based on the hand employed in the Papal Chancery for the inditing of briefs, as opposed to the more formal bulls, which were written in a gothic script, the "lettera da bolle." The Chancery cursive goes back to the early years of the fifteenth century. A reproduction of a brief written in this letter is given in Steffens' *Lateinische Palæographie*. Aldus adopted it because it made possible the printing of much matter in a small space and not because of any beauty in the design. On the score of beauty this mean letter ranks considerably below the italics of our second group. Nor did Aldus improve the appearance of his type by the large number of tied letters which he used. The

engraver employed by Aldus for the cutting of this cursive and apparently of all his types was one Francesco Griffo of Bologna. This fact is established by three contemporary documents. Aldus himself in the preliminaries of the Vergil of 1501, the first book in which the new letter was used,<sup>1</sup> writes: "In grammatoglyptae laudem. Qui graiis dedit Aldus, en latinis Dat nunc grammata sculpta daedaleis Francisci manibus Bononien-sis." Geronimo Soncino, a well-known printer of Hebrew, used a second italic, cut by Griffo, at Fano in 1503. In the dedication of the Petrarch printed in that year, Soncino says: "... ma anchora vn nobilissimo scultore de littere latine, græce, et hebraice, chiamato M. Francesco da Bologna, l'ingeno delquale certamente credo che in tal exercitio non troue vnaltro equale. Perche non solo le vsitate stampe perfectemente sa fare: ma etiam ha excogitato vna noua forma de littera dicta cursiua, o vero cancellaresca, de la quale non Aldo Romano, ne altri che astutamente hanno tentato de le altrui penne adornarse, ma esso M. Francesco è stato primo inuentore e designatore, el quale e tucte le forme de littere che mai habbia stampato dicto Aldo ha intagliato, e la præsentè forma, con tanta gratia e venustate, quanta facilmente in essa se comprende." This passage confirms Aldus, although Soncino thought that the printer had taken some of the credit due to the

<sup>1</sup> On the title-page of the Letters of St. Catharine of Sienna, 1500, there are four words set in the new type. In Philobiblon, Hft. 10, 1933, there is reproduced an Italian poem in four columns, headed "Frotola noua." The poem is set in a roman type first used by Aldus in 1499, and a few letters, some l's, e's and r's are italic. T. de Marinis who describes the sheet, which is in a private library, considers that this is probably the first appearance of italic. But the poem is not necessarily printed by Aldus. The type is a common one, nor do we know of anything else of the kind from the Aldine Press. Even if it were printed by Aldus, the date, 1499, is a mere assumption.

IVNI IVVENALIS A QVINA  
TIS SATYRA PRIMA.

EMPER EGO AUDITOR

tantum? nunquā ne reponam

S V exatus toties rana theside

Codri?

I mpune ergo mihi creatauerit ille

togatus?

H ic elegos? mpune diem consumpsit ingens

T elephus? aut summi plena iam margne libri

S criptus, et in tergo nec dum finitus, Orestes?

N ota magis nulli domus est sua, quam mihi lucus

M artis, et æoliis uicinum rupibus aurum

V ulcani. Quid agunt uenti, quas terqueat umbras

A eacus, unde alius furtiue deuēhat aurum

P elliculæ, quantus iaculetur xonychus ornos,

F rontonis platani, conuulsaq; marmora clamant

S emper, et assiduo ruptæ lectore columnæ.

E xpectes eadem a summo, minimoq; poeta.

E t nos ergo manum ferulæ subduximus, et nos

C onsilium dedimus syllæ, priuatus ut altum

D ormiret. stulta est clementia, cum tot ubique

V atibus occurras, perituræ parere chartæ.

C ur tamen hoc libeat potius decurrere campo,

P er quem magnus equos A urunca flexit alumnus,

S i naat, et placidi rationem admittitis, edam.

C um tener uxorem ducat spado, Meuiat huscum

F igit aprum, et nuda teneat uenabula mamma,

P atricios omnes opibus cum preuoat unus,

Fig. 38. Aldine italic.



type-cutter, and gives us the correct name of the letter. Finally Griffo himself began to print small editions in a third italic of his design at Bologna in 1516. In the preliminaries to his Petrarch he says: (hauendo pria li greci e latini Carattheri ad Aldo Manutio R. Fabricato, de li quali Egli non sole in grandissime ricchezze e peruenuto, ma nome immortale appresso la posterità se uendicato) Ho excogitato di nouo cotal cursiua forma qual extimo a qualunche rudita persona essere per piacere. . . ." Whether his grievance against Aldus was well-founded or not, does not concern us here. At any rate these documents are evidence that Francesco indeed made history in typography. We have discussed the importance of the Aldine roman, and the lasting fame of the Aldine Greek and its notorious effects on Greek typography is a well-known story. The immediate reputation of Francesco's italic was considerable, as we shall see, but in this case not so enduring. An attempt was made in 1858 by Sir Anthony Panizzi to identify Francesco with Francesco Raibolini, the painter, also of Bologna. The argument was demolished by Giacomo Manzoni in his *Studii di bibliografia analitica*, and the matter clinched by the publication by Adamo Rossi<sup>1</sup> in 1883 of a document from which it appeared that Francesco's family name was Griffo.<sup>2</sup> However, the identification with Raibolini was still repeated by English writers. The legend that Griffo's italic was modelled on Petrarch's hand is equally persistent. In the Aldine Petrarch of 1501 it is stated that the *text* of the poems was based on the manuscript in Petrarch's hand,

<sup>1</sup> In the "Atti della r. deput. di storia patria per le provincie di Romagna," 1883, p. 412.

<sup>2</sup> G. I. Arneudo in his *Dizionario Esegetico*, 1917-24, art. Francesco da Bologna, claims to have seen a document which shows that his family name was *Giusto*, and not *Griffo*, but states that he cannot trace his reference.

then in the possession of Pietro, afterwards Cardinal Bembo, and now preserved in the Vatican Library. A misunderstanding of this passage probably explains the legend. Aldus' words are: "Aldo a gli lettori . . . hauendoui una volta detto che egli è tolto dallo scritto di mano medesima del Poeta hauuto da M. Piero Bembo." The statement is repeated in the colophon of the book. One Lorenzo da Pavia, an agent of Isabella Gonzaga, the Duchess of Mantua, refers to this copy in Petrarch's hand in a letter of July 26, 1501. He writes: "E se a avuto el Petrarcha proprio de man del Petrarcha coscritto de sua mano e o lo avuto in mane ancora io. Et e de uno padovano che la stima asai si che lano stampato a letera per letera como questo con molta diligencia."<sup>1</sup> This, of course, has no reference to the type, but to the text. Griffo returned to Bologna in 1516 and printed a few small volumes in 32mo. in his third italic. His career ended in disaster in 1518. Documents were discovered and published by Emilio Orioli<sup>2</sup> in 1899, from which we learn that in May, 1518, Francesco during a quarrel with his son-in-law seized an iron bar and inflicted such wounds as led to the death of the younger man. From the documents it does not appear whether Francesco was hanged for this crime, but merely that he was no longer living a year later.

Griffo's first italic was immediately copied, the chief plagiarist being the Lyons printers, Balthazar da Gabiano and Barthélemy Trot. The privilege which Aldus obtained from the city of Venice was of no avail, even in Italy. The Giunta in Florence copied him in 1503, and in 1506 Benedetto Dolcibelli was printing at Carpi in another version of the Aldine letter. The Lyons

<sup>1</sup> See A. Baschet *Aldo Manuzio*, 1872, p. 10.

<sup>2</sup> See "Atti e mem. della r. Dep. di storia patria per le prov. di Romagna," Ser. III, Vol. XVII, p. 162 seq.

printers made use of Aldus himself to correct their editions. Balthazar da Gabiano was the representative in Lyons of a Venetian company, "La Compagnie d'Ivry." Aldus in his protest of 1503 says of the Lyons counterfeits that they were printed on inferior paper, "graveoleus," and that the consonants were not joined to the vowels. He pointed out misprints, for example in the Vergil, and when Gabiano reprinted the Vergil he corrected these errors; but other errors crept in, e.g. *stulus* for *stultus* on the first page. In 1512 Barthélemy Trot joined Gabiano, and it was he who introduced the fleur de lys found on many of these Lyons copies.<sup>1</sup> In Italy in the first half of the century, the majority of printers had their Aldine italic. We may cite three well-known editions as examples of the popularity of the letter, the *Decameron*, printed in 1516 by Filippo Giunta at Florence, the first editions of Macchiavelli's works printed at Rome by Antonio Blado in 1531 and 1532, and Marcolini's Dante of 1544. These types depart from the original chiefly by cutting down the enormous number of ligatures at first used by Aldus. The design remains the same and the model is adhered to in the consistent use of upright capitals. In the italic of Paganino and Alessandro de Paganinis, used at Toscolano from about 1520, the lower-case also is more upright. The Paganinis had two sizes of this type, and used a roman a, as well as the usual one-storeyed a. The original chancery hand was sloping, but as we shall see in some later examples, cursiveness rather than inclination seems to be the essential characteristic.

The earliest italic used at Paris, by Guillaume Lerouge, was again all but upright, more particularly the largest of the three sizes, with which the printer used a gothic

<sup>1</sup> See *Impressions de Louis Perrin*, Lyons, 1923. Introduction by Marius Audin.

upper-case (see fig. 39). The second Paris imitation of the Aldine letter was that of Thielman Kerver, with which, an unusual experiment, he printed a Book of Hours in 1517. In the colophon of this edition the printer says: "sub hoc recenti sculpture stilo nup'rime efformate." Pierre Gromors had an italic by 1520 (see G. Fichetus, *Consolatio luctus & mortis Parrhesiensis*), and in 1523 Pierre Vidoue began to use a fount acquired from Basle (see the edition of Erasmus, *De interdicto esu carniū*). Coyecque, in the "Bulletin de l'histoire de Paris," 1894, pp. 149, 150, cites a document according to which Wechel sold to one Hennequin de Breda "deux lettres façon d'Allemagne, dont l'une gregue et l'autre d'itallicque," a document dated May 28, 1528. "Allemagne" here most probably means Basle. Sebastien Gryphius of Lyons on the other hand, who obtained most of his types from Basle, appears to have bought in Italy the italic used in the *Opere Toscane* of Luigi Alamanni, 1532, and the *Opuscula aliquot* of Cardinal Bembo, also of 1532. Alamanni, an exile at the court of King Francis I, received a payment of 1,500 livres on November 30, 1513, in order to purchase types in Venice.<sup>1</sup> This type, however, is not Gryphius' usual italic. That was an Aldine, probably acquired in Basle, and used in the same way as the original Aldine, for the printing of classical texts of considerable length. Gryphius sold his books in Spain with such success that this style of chancery came to be known to the Spanish writing masters as *Grifo*. Robert Estienne at Paris also used Aldine italic for similar classical texts, for example an edition of Cicero's Letters to Atticus of 1543 in small octavo and an even smaller edition in 1547 in sextodecimo.

<sup>1</sup> Cimber & Danjou, *Archives curieuses de l'histoire de France*, Ser. I, III, 85.



Estienne's italics may have been cut by Claude Garamond, who certainly cut two sizes for his own use after the Aldine model. In 1545 Garamond became a publisher along with Pierre Gaultier and Jean Barbé. He gives an account of the venture in the dedicatory epistle to the first book published, the *Pia et religiosa meditatio* of David Chambellan. He there says "Tum vero foelicter me rem aggressurum si quam proxime fieri posset, Italicam Aldi Manutii literam, novis exprimerem caracteribus . . . Italicarum itaque proxime ad Aldinos literarum typos sculpo, quam foelicter alii judicabunt."<sup>1</sup> He cut two sizes, a Glossa, which is the type used in the Chambellan and in the four other books bearing Garamond's name in the imprint, a Thucydides, a Diosdorus, a Lactantius, and a Juvencus, and a larger size, which Mrs. Warde finds on one page of the Juvencus.<sup>2</sup> The sole particular in which Garamond's design departs from the Aldine is in the capitals, which are inclined; but even here the fount is equipped with upright capitals as well, and the inclined upper-case appears on the title-pages and headings only. We shall see that the fashion of sloping capitals had been introduced some years before.

The new letter was introduced into Germany by an obscure printer at Erfurt, Sebald Striblitz, and was used for the text of an edition of Columella in 1510, *De cultu hortorum*. Three other books from his press are known, all set in italic: Platina's *Dyalogus contra amores*, Papinius Statius' *Achilleis*, both 1510, and an undated edition of Ulrich von Hutten's *Nemo*. The type measures 91 mm. for 20 lines. The upper-case is modest in height, has heavy slab serifs and an unusual

<sup>1</sup> A full translation of this epistle was given in *The Fleuron* No. 3, pp. 49, 51.

<sup>2</sup> See her article in *The Fleuron* No. 5, p. 138.

Tiber primus

Marci Annei Lucani Cordubensis po-  
eta clarissimi Tiber primus.



Bella per amathios plusquā  
ciuilia campos:

Tusqz datum sceleri cani-  
mus populumqz potentem

In sua victrici conuersum viscera dextra

Cognatasqz acies et rupto federe regni.

Certatum totis concussi viribus orbis

In commune nephas infestisqz obuia signis

Signa pares aquilas et pila minantia pilis:

**BELLA PER.** Breui quadam periphrasi qua scripturus sit poeta lucu-  
lenter proponit. **SENTENTIA.** pōpeius cui oriēs & Caesar cui occē-  
dens tota paruit: ductu horrendum ciuile bellum concuerūt quo totus  
orbis concussus intremuit: illud autē in præsentiā dilucidatū inten-  
tamus. **ADVERTE.** Bellum ab onum deducitur: non tamen per anti-  
phrasim ut stulti somniant: sed quia boni gratia mouetur se enim non  
ad inferendam sed ad propulsandam iniuriam bella suscipere nulli nō  
affirmant: propterea in bello mori gloriosum reputatur. hinc Vergili-  
us pulchrūqz petunt per uulnera mortem. & iterum. Mortēqz uolunt  
pro laude pacisci. Similiter. Eumēns beniuola uel mitis interpretatur  
quā regiū inferorum beniuole morem gerit. **Lucas a luceo:** quia in lu-

A. iiii.

Fig. 39. Le Rouge's italics.

R; in the lower-case the conspicuous letter is an upright g. It is a copy of the Aldine, but a less close copy than many later founts.

The statement that Johann Froben of Basle used italic in 1513 in his edition of Erasmus' *Adagia* has been often repeated, starting probably from a slip in Stockmeyer and Reber's *Beiträge zur Basler Buchdruckergeschichte*, 1840. There is no italic in that edition, though Froben's Aldine Greek appears there for the first time. His italic is not found until 1519. The Basle example was quickly taken up, and by 1520 four other German printers had acquired the letter, Knoblauch and Schott at Strassburg, Schöffner at Mainz, and Johann Soter at Cologne. Proctor says that Knoblauch's type is like Schöffner's, and Schott's like Froben's. On the printer's specimen of Johann Petri of Nuremberg, 1525, two sizes of italic are shown which are again very like Froben's, so like that possibly the matrices came from Froben. Several references will be made below to types acquired from Basle and all the evidence seems to point to that city as an important centre of type-founding during the second quarter of the sixteenth century. Other German printers who had copies of the Aldine letter before 1530 were Nicolas Schmidt (1522) and Valentin Schumann (1527) at Leipzig, Sigmund Ryff (1523) at Augsburg, and W. Köpfel (1526) at Strassburg. Peypus at Nuremberg had the same italic as Petri. In the Netherlands Thierry Martens at Louvain seems to have been the first printer to introduce the Aldine letter in 1522.

In England the earliest italic is that of De Worde, in two sizes, used in 1528 in Wakefield's *Oratio de laudibus trium linguarum*.<sup>1</sup> A more interesting cursive is that of Thomas Berthelet in which in 1530 he printed a

<sup>1</sup> See Isaac, *op. cit.*, vol. I, fig. 10b. The date, 1524, given in Reed, appears to be a mistake.

Vatican decree on the matrimonial affairs of Henry VIII, *Acta Curiae Romanae in causa matrimoniali cum Catharina Regina*. These italics were certainly imported; De Worde's type is found at Antwerp; Berthelet's was used at Cologne by E. Cervicorn from 1526, by Wolfgang Köpfel at Strassburg, and by Guillaume Morrhé at Paris.

Besides the chancery hand from which these Aldine italics were derived there was also a more formal variety, of which a magnificent example was shown by Mr. Morison in *The Fleuron* (No. 6, p. 97) from a sixteenth century manuscript written for Cardinal Grimani, a commentary on St. Paul's Epistle. This "Cancellaresca formata" was the hand practised by the writing masters of the sixteenth century, and was by them translated into type, more than 20 years after the date of Griffo's first cursive. The first writing master who printed specimens of his hands was Lodovico degli Arrighi da Vicenza, a "scrittore de' brevi apostolici," as he describes himself in his book of 1522. This professional calligrapher had apparently been in Rome for at least a dozen years before the publication of this book. In 1510 he was part publisher of a book of travels, the *Itinerario de Ludouico de Varthema Bolognese nello Egipto*, printed by Stephano Guillireti.<sup>1</sup> The first part of Vicentino's writing book of 1522 is printed entirely from wood blocks, but the second part, *Il modo di temperare le penne*, printed at Venice in 1523, has a page of text printed from type, the earliest of the formal chancery italics. In the following year Vicentino began printing at Rome and issued a few small books in a second version of a similar style. In the imprint of these books his name is coupled with that of another printer, Lautitius Perusinus, styled in one of the books "Intagliatore." Vicentino's partner was probably identical with the

<sup>1</sup> See *The Fleuron* No. 7, p. 167.



Lautizio de Bartolomeo dei Rotelli commended by Benvenuto Cellini as an engraver of seals. It may be presumed that he was the actual cutter of the type. The books printed in this cursive were chiefly the works of contemporary men of letters, short poems or speeches, and not voluminous texts like the Aldine series. Vicentino's press was a small one, and his purpose was to issue a few select books in a beautiful setting. The cursive which he designed was a formal letter based on the hand which he himself practised; the letters are narrow, but separately formed and with a slight inclination. The ascenders are given rounded terminals in the place of serifs. The capitals are upright, but are varied by the introduction of swash letters. Eighteen small books printed in this cursive in the years 1524 and 1525 are known.<sup>1</sup> In the following year Lautizio's name had disappeared and a new cursive is used. This is still a formal chancery, but with serifs in place of the rounded terminals, and without the swashes. It is of about the same size as the earlier type (about 16 pt.), but of a larger face. It is noteworthy that almost all the italics of the Vicentino group have generous ascenders and descenders, and seldom measure less than about 16 pt. Economy of space was not considered in their design. Only six books printed by Arrighi in this type have been recorded, the last being an edition of the Latin poems of Hieronymus Vida issued in May, 1527. The mercenary armies which sacked Rome so thoroughly in that year entered the city on May 6. As Vicentino's name does not occur again in any recorded book or document, it is possible that he met his death, as did many other citizens, in that catastrophe. We shall see that his types had considerable influence among his contemporaries, and not only his types, but his

<sup>1</sup> See the list below, pp. 172, 173, and figs. 40, 41.

I RITRATTI  
DI M. GIOVAN GIORGIO  
TRISSINO.

I TROVANDOSI

Messer Lucio Pompilio in Ferrara,  
et in casa di Madonna Margarita  
Cantelma Illustrè Duchessa di Sora, ne la quale  
v'era una brigata di valorose donne, e di accostu-  
matissimi Giovani, da le preghiere di tutti constretto,  
così a parlare incominciò. Se io ho bene la inten-  
tione vostra inteso Gratosissima, et Illustrè Ma-  
donna, e parimente quella di tutta questa nobilissima  
compagnia, voi volete, che per me vi si narrino quelli  
ragionamenti, che furono tra Messer Piero Bembo,  
e Messer Vicentio Macro fatti in Milano; de i  
quali concio sia cosa che voi n'abbiate udito ragio-  
nare da chi ne nomi, ne luoghi, ne tempi vi sepper  
ordinatamente distinguere, hora da me, come da  
persona, che presente vi fue, questo partitamente ne  
ricercate; et io lo farò più che volentieri; perciò  
che, havendoli altre volte ridetti, parmi assai bene

A y

Fig. 40. Vicentino's italic.

style of book-production also. He avoided all ornamentation, and except for two small initials found in one of his books, the *Oratio de pace* of Pope Julius II, 1526, had no decorative woodcut material, not even a device. In several particulars he affected the manuscript style; his books had only a half-title, and blanks were left to be filled in by the illuminators. The copy of the Hieronymus Vida, 1527, in the British Museum, printed on vellum, has been so illuminated. Many of Vicentino's imitators followed the severity of his style when using their formal chancery types, and even in a small point like the use of a diamond-shaped full-stop, recalled his practise. But after the first generation Vicentino seems to have been forgotten, to be rediscovered in the nineteenth century by Giacomo Manzoni. However, Manzoni's account of him in his *Studi di bibliografia analitica*, 1881, is concerned with the calligrapher and very little with the printer. The interest of our generation in Vicentino, exemplified by the re-cutting of his types, is due to Mr. Stanley Morison.<sup>1</sup>

The sixteenth century was the age of italics, especially in Italy where they were first designed, and in that country between 1500 and 1600 possibly as many books were set in italic as in roman. While the italics of the first quarter of the century were Aldine, those of the second were quite as often copies of Vicentino's letters. Among the men of letters who chose Vicentino as their printer was Gian Giorgio Trissino, the author of the tragedy, *Sophonisba*, and of an epic poem *Italia liberata dai Gothi*. In 1524 Trissino had five books, including the *Sophonisba*, printed in Vicentino's fount with the calligraphic ascenders. Some extra Greek letters were introduced in order to carry out Trissino's theories on

<sup>1</sup> See his reproduction of Vicentino's writing books, the Pegasus Press, 1926.

Italian orthography, and for the first time, a distinction was made between medial u and v. In one of the books or tracts, an *Epistola* dealing with the introduction of these new letters, the author pays a tribute to Vicentino, declaring that he has surpassed all the men of his age not only as a calligrapher, but also as a designer of types. Trissino seems to have acquired a fount of the type, and in 1529 employed Tolomeo Janicolo of Brescia

*Et mea nunc totum felix Pyrmilla per orbem  
Vivet, in exitum nata puella meum.  
Asi ego non tantum mihi nunc temerarius augur  
Polliceor, nec me tam ferus ardor agit,  
Corvus ut his ausim crocitare per arua Castri,  
Cycneumq; rudi frangere voce melos.*

*Impressum Romę apud Ludovicum Vicentinum  
Et Laurentium Perusinum. Mense Julio  
M D X X I I I I.*

Fig. 41. Vicentino's italic.

to reprint his works in his native town of Vicenza. Vicentino's type was used for these reprints and also for Trissino's translation of Dante's *De vulgari eloquentia*. These beautiful books, printed in folio and decorated by a handsome device of Jasons' Golden Fleece—apparently Trissino's device, but adopted by his printer—have made Janicolo's name well-known to bibliographers. Janicolo issued a specimen of his type, one of the earliest and least known of such advertisements, on which he makes no mention of Vicentino. One other Italian printer obtained strikes of this cursive of Vicentino,



F. Minitius Calvus at Milan. This Calvus had been a printer at Rome in Vicentino's lifetime, and was still there in 1531. In 1540 he printed at Milan *Torricella, Dialogo di Ottho Lupano*, in the same cursive, making great use of the swash capitals. Of about the same year is an undated piece concerning Pietro Aretino, *Abattimento poetico del divino Aretino*. About half a dozen books are recorded printed in this type by Calvo and his successor, Andrea Calvo. Another Milanese printer, Giovanni Antonio Castellione, used a handsome cursive, akin to Vicentino's in several particulars; it has the same swash capitals, calligraphic ascenders and g, but it is upright. The Grimani manuscript referred to above, is written in an upright chancery, and the writing book of Ferdinando Ruano, *Sette Alphabeti*, Rome, 1554, shows the construction of an upright "cancellaresca formata." Cursiveness and not inclination is the characteristic of chancery, but generations of printers have been so accustomed to the inclined italic, that they have come to believe that the word means sloping. Castellione used his handsome letter in 1541 in the *Gallorum Insubrum Antiquæ Sedes* of Bonaventura Castellioneus. Another humanist interested in the Gallic antiquities of Lombardy, Gaudentius Merula, used the same italic at a private press at Borgo Lavezzaro, near Novara, in 1542. Another fine book in the same letter is H. Girava's *Dos libros de cosmographia*, Milan, 1556 (cf. fig. 42).

Vicentino's later type, that used in 1526 and 1527, proved to be the forerunner of an even larger group of formal cursives. It came into the possession of Antonio Blado, the greatest printer at Rome in the sixteenth century. Blado's edition of Sannazaro's *Sonetti* of 1530 is perhaps his earliest book printed in this fount, and was followed by many others. The

brothers Dorici, contemporaries of Blado, had a similar type, in which they printed the book of Ferdinando Ruano, already mentioned.

But it was at Venice that the influence of the Blado italic is chiefly to be traced. Vicentino's writing book was followed in 1524 by the similar work of a Venetian master, Giovantonio Tagliente. His book includes a number of pages printed from type, a cursive resembling Vicentino's later type but with rather more inclination. Tagliente's type is found both in the many editions of his calligraphic book and also in some of his other mathematical works. The brothers Nicolini da Sabbio, who printed for Tagliente, had an italic in the same style as the Blado, which appears in most of the books from this busy press. A good example may be seen in the preliminaries of Greek books which they printed at Verona, e.g. the Epistles, 1529, and the Acts of the Apostles, 1532. Another distinguished Venetian printer, Francesco Marcolini da Forlì, printed mainly in italic, and his use of cursive founts illustrates the fashion of the day. He had at least seven founts of italic. The two smallest sizes (about 10 pt. and 9 pt.) were used for notes only, and may be described as Aldine. Two others, used in the last years of his career, from 1556, were of foreign origin, one from Basle and one French. We refer to these again below. No. 5 was the Aldine used in the Dante, but even with this, besides the usual lower-case g, Marcolini had the second g with the calligraphic tail. The remaining two italics are of the Vicentino school, and it is these that were used for the text of most of his books. The larger type, again of about 16 pt., is akin to the Blado, swash capitals are used, the calligraphic g, and a ligature gg, the large ampersand &, and the diamond-shaped full-stop. *Il Petrarca Spirituale*, 1536, and several books of Pietro

Aretino are printed in this italic. Later, Marcolini spoilt the fount by using a thick-faced upper-case, a strange mistake for such a printer to make (cf. the *Prose di Bembo*, 1538). The smaller type is even more remarkable, as in it the principles of the formal chancery are applied to a letter of the Aldine size. All the characteristics of the larger italic just described are found, and the essential difference between the two schools is clearly illustrated. The letters are separately and carefully formed, and in consequence the appearance of a hasty script which typifies the Aldine is avoided. An edition of Petrarch's Sonnets of 1539 is set in this type, and later, in 1551, a volume of letters addressed to Aretino. Aretino was interested in good typography, and in his earlier days at Rome had had some books printed by Vicentino. He was intimately associated with Marcolini, who in fact had published five of his books even before he became a printer. In the first ten years of his career Marcolini printed at least 25 books by Aretino. In one of them, the *Ragionamento de le Corti*, 1538, there is a reference to a new type of Marcolini's, which from the date, must be the italic of Petrarch's Sonnets. One of the characters in the *Ragionamento* says: "Io volevo vedere quella lettera cosi bella, che egli ha fatto gitare di nuovo."

The first German printer to copy the Vicentino cursive was the Viennese printer, Johann Singrenius. In Gollob's *Der Wiener Holzschnitt*, 1926, there is a reproduction of the title-page of the *Periochæ omnium librorum Veteris Instrumenti*, 1531. The title is set in a calligraphic cursive with long descenders without serifs, and an unusual ligatured ct. It is perhaps nearer to Tagliente's italic of 1524 than any of Vicentino's, and so faithfully represents the Italian cancellaresca, that it might almost be classed as a script type. The cursive

**I**N dextra lapidis elaboratissimi Aquila visitur  
 trunco Insidens. Quæ in rostro aus pennam tenet:  
 ad Leuam altera Aquila sphaeræ supereminet serpentem  
 mordicus tenens. Quid super hac sculptura cōsultus An-  
 dreas Alciatus Gaudentio Merula rescripserit; accipe,  
 Quòd petis( inquit ) à me Hieroglyphæ illa tibi explicem  
 quæ à Nicolao Castellioneo accepisti; vix ausim ego quic-  
 quam scribere; ne quod dicitur; noctuas Athenas. Adde

Fig. 42. Upright Chancery italic.

Nuenta secuit primus qui naue profundum,  
 i Et rudibus remis sollicitauit aquas:  
 Qui dubijs ausus committere flatibus alnum:  
 Quas natura negat, præbuit arte vias.  
 Tranquillis primum trepidus se credidit vndis:  
 Littora securo tramite summa legens.  
 Mox longos tentare sinus, & linquere terras,  
 Et leni cœpit pandere vela noto.  
 Ast vbi paulatim præceps audacia crenit:  
 Cordaq; languentem dedidicere metum:  
 Iam vagus irrupit pelago: calūmq; secutus,  
 Egeas hyemes Ioniūmq; domat.

Fig. 43. Colines' italic.



was used also at Cracow by a former partner of Singenius, Hieronymus Vietor, who in the same year, 1531, set the whole text of a Latin version of a speech of Demosthenes, the *De Pace*, in this unusual type.<sup>1</sup>

We have already referred to the few italics which were in use at Paris up to about 1525. Apart from the books of Guillaume Lerouge the volumes set in italic were few in number. It was Simon de Colines who first made the new letter popular in Paris, and he copied both the Italian schools. For his small editions of the Latin classics dating from 1533 he used an Aldine italic. A larger type, first used in Paulus Cerratus' *De Virginitate*, 1528, with its swash capitals, ampersand &, calligraphic ascenders and lower-case g, can have had no other source than the Vicentino letter (see figs. 43, 44). Colines' third and largest italic, used in 1536 for the text of Diego de Sangredo's *Raison d'architecture*, has the same characteristics except that he has now gone back to serifs, just as Vicentino did in his later type. Books from Colines' press are numerous—some 800 are recorded by Philippe Renouard—and examples of all his italics are readily found. Whether he himself was a punch-cutter or whether he employed Claude Garamond, is not known, but we may at any rate reject the assumption of Auguste Bernard that these italics were cut by Geoffroy Tory, who used no cursive founts at all in his own press. Colines died in 1546 and by that date French punch-cutters had made important alterations in the design of italics. But in the meantime one other Paris printer had followed Colines' lead. Robert Estienne had for the most part kept to the Aldine tradition, for his books were of a similar character to those of Aldus, namely editions of classical texts of considerable length. But one of his books is manifestly

<sup>1</sup> See a reproduction in *The Fleuron* No. 7, p. 148.

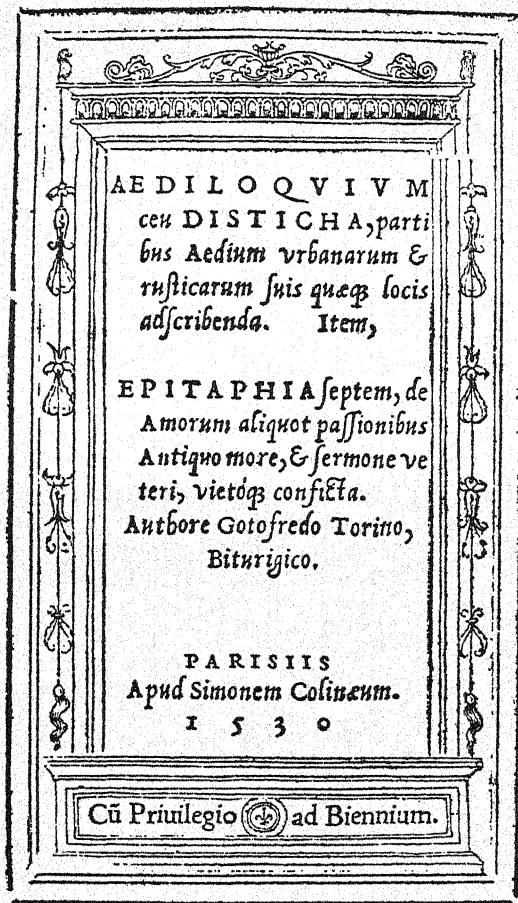


Fig. 44. Colines' italic.



in the Vicentino style, an edition of an Italian classic, Luigi Alamanni's *La Coltivazione*, 1546. The type closely resembles Colines' third italic, and the absence of decoration, blanks being left for initials, together with the absence of any subsidiary type, even on the title-page, further connect this book with the methods of Vicentino, Blado and Marcolini.

One would hardly expect to find an example of a Vicentino italic in an English law book of the sixteenth century, yet oddly enough the best example of the school outside Italy and France turns up in the *Registrum brevium* printed by William Rastell, London, 1531. The title is set in Textura, but the whole of the text in a calligraphic italic with swash capitals, probably copied from Colines. The punches may have been cut in Antwerp, as the type is found there in the *Oratio pro Pauperibus* of Christianus Cellarius printed by Hendrik Peterson van Middelburch, in November, 1530. In England the type is found for occasional use in a number of books, and with various printers, but in one other book only as a main body type, as in the *Registrum brevium*, i.e. in Robert Recorde's *The Pathway to Knowledge*, R. Wolfe, 1550. A little of it is found in other books from Rastell's press, and more in the only book known to have been printed by William Baldwin, *The Canticles or Balades of Salomon*, 1549, in which the title and text of the songs are set in the fount.<sup>1</sup> It travelled to Ireland and appears on the title-page of the first book printed in Dublin, a *Common Prayer*, by Humphrey Powell. Another of these Vicentino types is one used by Peter Perna (1522-82), an Italian protestant exiled from Lucca for his religious opinions. About 1560 he printed at Basle several books of another Italian protestant exile, Bernardino Ochino. These books, some with Perna's

<sup>1</sup> Cf. Isaac, *English Types*, vol. 2, fig. 6a.

imprint and some without, are set wholly or in part in a cursive reminiscent of Vicentino. Although he uses the Aldine ampersand, his fount has a number of the Vicentino details, calligraphic ascenders, swash capitals, etc.

The latest member of the Vicentino group which I have found appeared at Amsterdam in 1613 in Hondius' edition of Mercator's Atlas. In the preliminaries of that edition some passages are printed in a cursive not unlike the Blado, and with all the usual characteristics of this group, calligraphic g, large ampersand, etc. Some of the ascenders are calligraphic and some have serifs; the upper-case is inclined. It is not a good type of its class, but its use in 1613 along with a Granjon italic and another contemporary Dutch italic brings out the contrasting points of the two schools. The type occurs again in the Atlas of 1619, and in other books, printed by the younger Hondius, Henricus, e.g. in Robert Hues's *Tractatus de globis*, 1624. Jodocus Hondius, the father, who died in 1612, was Mercator's son-in-law, and had acquired Mercator's stock. It may be remembered that one of the earliest works of this famous map-maker was a writing book printed at Antwerp in 1540, which is devoted entirely to the Italian hand. This was the hand used by Mercator for the lettering of his maps, and again by Hondius, who also engraved a writing book, the *Theatrum artis scribendi*, published about 1595. Last of all the younger Hondius produced the italic of 1613, which has many resemblances to Mercator's lettering. As Henricus was born only in 1597, it may be presumed that Jodocus designed the new type, on the model of his own Latin script as shown in his *Theatrum* of 1595.

The logical step of fitting an inclined italic with an upper-case at the same angle was not attempted by the



original designers of cursive. The first printer to make the experiment seems to have been Johann Singrenius of Vienna. In Gollob's *Der Wiener Holzschnitt*, 1926, p. 73, there is a reproduction of the title-page of the *Vita Eremita a Dino Hieronymo conscripta*, 1524, showing the earliest use I have seen of this italic.<sup>1</sup> The type was used also by Nicolas Schmidt (Faber) at Leipzig in Schedel's *Novus hortulus anime*, 1527, and in a *Psalter* of 1533. The undated edition of Melanchthon's *Elementa puerilia*, where the title is set in this italic, may be the work of a third printer. As Singrenius was enterprising enough to cut a Cancellaresco type (see above) and in view of the book of 1524, we may assume that he was the designer. This new type is not especially attractive and seems to have been little used, but the problem of inclining the capitals was attacked with fair success; the inclination is, at any rate, more uniform than was achieved in the second type of this class.

The second italic with an inclined upper-case can be traced to Basle, and will be referred to as the Basle italic. This is a remarkable letter in design and remarkable in its popularity, which endured for some 20 years. The earliest recorded book set in this italic came from the press of Sebastien Gryphius of Lyons, the *Epigrammata* of Claudius Rosselettus, dated 1537. Gryphius used the type as much as anyone, but appears to have obtained it, like many of his other types, from Basle. In 1538 there was issued an edition in Greek of the works of Galen in five folio volumes. Five Basle printers were concerned in the publishing and printing of this edition, Cratander, Hervagius, Isengrin, Bebelius, and J. E. Froben. The privilege from Francis I is dated December 20, 1536. Evidently the work was in hand some

<sup>1</sup> For another reproduction see *The Fleuron* No. 7, p. 146.

time before 1538. The preface of 13 pages by the editor Gemusæus, dated March 1, 1538, and a further preface in Vol. 5, are set in our italic. The device on each title-page was formerly used by Thomas Wolff, who had been the official printer of the city of Basle. In 1534 he issued in German an edition of the Basle confession of faith, *Bekanntnuss vnsers heyligen Christenlichen glaubens*, and on the title-page of that book the two words "Rom. cap." are set in Basle italic. Michael Isengrin, who printed Vol. 5 of the Galen, used the type in other books of the same year, 1538, e.g. Aristotle, *Opera*, and Solinus, *Polybistor*. (See fig. 45.)

The lower-case of the Basle italic is a large letter of considerable slope, while the upper-case is an extraordinary collection of letters at all angles. The M, N, R and V are the strangest. The O and Q are upright, and the A and P are swash letters. The designer can never have meant these capitals to stand in line together, and yet many contemporary printers did make the attempt. All the designers of old-face italics appear to have found a difficulty in giving a consistent slope to the upper-case. In spite of the odd capitals the type has character, and certainly contemporary printers approved of it. No italic of the day is found in the hands of so many different printers. Apart from Basle, where it is particularly common, all the leading printers of Lyons had it. Christian Egenolff at Frankfurt, W. Rihel at Strassburg, Ponce Lepreux at Paris, and Reinier Wolfe and Richard Grafton in London, were among its admirers. Mr. Updike, who shows a page of the type (fig. 104), remarks on its widespread use in Venice. Giovanni Griffio, Giolito and Marcolini among other printers at Venice used it for preliminaries, and sometimes even a whole book was set in it, e.g. Xenophon's *Guerre dei Greci*, 1550. In other Italian cities it is

found at Florence, at the Giunta press, at Rome with the Dorici, at Bologna, Mantua, Padua and Rimini.

In Basle there was also a smaller size of the type (about 11 pt.) in fairly common use, but this size was little favoured in other countries. The widow of Ulrich Morhard used it in 1556 at Tübingen in the preliminaries of *Precedentie alla apologia della confessione dello illustrissimo Signor Duca di Viutemberga*, and other books. Richard Grafton in London also had this size.<sup>1</sup>

The Basle italic may be taken as inaugurating the old-face group, and the next step is the establishing of this style by French type-cutters, and in particular by Robert Granjon. There are a number of contemporary references to the dealings of Granjon with various printers, but nowhere any explicit attribution to him of the earliest French old-face italics. By old-face italic we mean the kind of letter of a marked inclination in both upper-case and lower-case which was usual in European typography from about 1540 down to the time of Caslon. It is the italic which accompanies the old-face roman, although it originated somewhat later and was not at first designed as a companion letter. Like the Italian cursives, these French italics were cut and used as independent letters. As to their origin such evidence as we have points to Robert Granjon as the designer of the earliest and most popular of them. Granjon was the son of a Paris printer, Jean Granjon, and is first heard of in 1545,<sup>2</sup> when he rented a shop "aux Grands Joncs." From a document of August 9, 1546, it appears that Granjon was in the habit of visiting Lyons every year.<sup>3</sup>

<sup>1</sup> See Isaac, *op. cit.*, vol. 2, fig. 33b.

<sup>2</sup> See Renouard, *Imprimeurs Parisiens*, revised edition in the *Revue des Bibliothèques*, 1925.

<sup>3</sup> See Coyecque, *Recueil d'actes notariés relatifs à l'histoire de Paris*, tom. II, no. 4170.

*Cui licet accedat Virtus, tamen usque priores  
Fert Fatum parteis in re quacunque gerenda.*

Romanorum Imperium ut crevit.

*Fato Romani post tot discrimina, post tot  
Prælia, debellatum Orbem rexere monarchæ:*

*Roma caputq; fuit Mundi, prius exiguis grex*

*Quam pastorum habitabat, & errans exul ab armis*

*Finitimis ( ut asylum ) post scelus omne colebat.*

ut deinde corruit.

*Mox Fato inclinante, suis spoliata triumphis*

*Corruit, & patrio ( infandum ) iugulata tyranno*

*Nil, nisi nomen, habet Romæ, desertaq; sordet.*

Græcorum potentia.

*Fato etiam Græci nil non potuere uel armis,*

*Vel studiis: terra omni posthabita, auxit Athenas*



In 1557 he settled in Lyons and married Antoinette, daughter of Bernard Salomon, the artist who illustrated the books of Jean de Tournes. From a document of August 24, 1547<sup>1</sup>, we learn that one Gaspard de Molina ordered from Granjon types St. Augustin and Nonpareille like those supplied to Tournes and Gryphius, "diverses espèces de caractères, S. Augustin, Nonpareilles . . . ainsi que ledict Granjon les a baillées par cy devant à Jehan de Tournes et à Griffius." If we can identify these types the document becomes important. Nothing is known of Molina, who may have been only an agent, but the press of Jean de Tournes had not been long established at this date, and the number of his types was still small. As to the Nonpareille, Tournes does not appear to have used so small a size (about 6 pt.) by 1547. But of St. Augustines, the only type which can be in question is the italic used in the *Recueil des Oeuvres* of Bonaventure des Periers, 1544, in *Les Marguerites des Marguerites*, 1547, and in many other of his early books (see fig. 46). The same type is found in the books of Gryphius, for example on the title-page of the Horace of 1545. Gryphius did not use it much, as it was too large a letter for the kind of book which he normally printed, namely classical texts. Moreover the type was used at Paris, e.g. by L. Grandin in *Demosthenes Oratio contra Philippi epistolam*, 1543, by Denis Janot in the *Recueil de vraye poesie Francoyse*, 1544, and by Michel de Vascosan in a Ronsard of 1549. When Granjon himself began to print in partnership with Michel Fezendat in 1549, he used a very similar italic, cf. for example *Le Tombeau de Marguerite de Valois*, and Cardano's *De subtilitate*, 1550. Tournes' type has an inclined upper-case, as had all subsequent italics. The A is a swash letter of the same design as the A in the Basle italic.

<sup>1</sup> See Baudrier *Bibliographie Lyonnaise*, vol. I, art. Molina.

*Au moins vaincrons ayans ceste defense,  
Encor' que nous ayons fair mainte offense,  
Puis qu'à peché, ne nous sommes donnez.*

F I N.



Oraison de l'ame fidele, à son  
SEIGNEUR DIEU.



*Eigneur, duquel le siege, sont les Cieux;  
Le marchepied, la terre, & ces bas  
lieux;  
Qui en tes bras encloz le firmament,  
Qui es tousiours nouveau, antique & vieux,  
Rien n'est caché au regard de tes yeux,  
Au fonds du roc tu vois le diamant,  
Au fonds d'Enfer ton iuste iugement,  
Au fonds du ciel ta Maiesté reluire,  
Au fonds du cœur le covert pensement,  
Qui est celuy qui te vouldroit instruire?  
Plus qu'un esclair ton œil, est importable,  
Plus qu'un tonnerre est ta voix effrayable,  
Plus qu'un grand vent ton esprit nous estonne,  
Plus que foudre est ton coup ineuitable,*

*Plus*

Tournes used this type as a letter of some elegance suitable for volumes of verse. In the preface to his Petrarch of 1545 he refers to his purchasing of new types for such a purpose, "havend' io fatto tagliar questi caratteri (i.e. those used in the Petrarch, a smaller size) et altri propri per stampar poeti, e altri opere da piacere." In 1549 Fezandat printed by himself *Le Temple de chasteté* of François Habert in a new italic, a beautiful letter with remarkably small, inclined capitals, and a conspicuous lower-case v. A few years later this same letter was used for the text of a number of Jean de Tournes' books, both prose and verse. Perhaps the best-known is the edition of the *Oeuvres* of Louise de Labé, 1555 (see fig. 47). When we find that these two italics were used at Paris before they appeared in the books of Tournes or any other Lyons printer, we may infer that the types were cut in Paris. It is hardly likely that a Paris printer of that date would have applied to a Lyons type-founder for his material. With the support of the De Molina document and the knowledge of the connection between Fezandat and Granjon, we may conclude that the designer was Granjon.

Other italics of Tournes have been attributed to Granjon, the fount for instance in which the verses of the *Metamorphose figurée*, 1556, is printed, which Mr. Updike describes as silvery (see fig. 48). A larger italic, a "Gros Texte," used in the Virgil in the French version of Louis des Masures, 1560, and in several books of the poet and mathematician, Pontus de Tyard, e.g. the *Solitaire Second*, 1555, has one characteristic which is common to other admitted italics of Granjon, that is the use of extra sorts with a prolonged final stroke intended for the filling up of a line. This "Gros Texte" of Tournes has swash capitals, but inclined, the G being a reversed H. Tournes used the type first



A, MADAMA  
M. MARGHERITA

di Borgo Generala di  
Bretagna:

DAMIANO MARAFFI.



CONSIDERANDO,  
*Nobiliss. & Virtuosiss. Madama,*  
le cose che alcuna volta ne gl'an-  
tichi, ed ancho moderni Secoli, al-  
cuna Donna illustrato hauessero,  
faccendola, & viuento, & dopo  
morte per continoue lodi celebra-

ta: tre generaxioni di beni occorsi mi sono, che di grado,  
in grado qualunque mai è stata ammirata, innalzato  
hanno, cioè quegli della Fortuna, de'l corpo, & dell'  
animo: tal che i primi par che certamente qualunque  
hoggi lodata Donna habbino fatto beata: i secondi poi  
con gran Vantaggio più altamente beata: & final-  
mente i terzi, sen(a alcun dubbio tra tutte beatissima.  
In questo supremo grado, tra l'vltime tanto innalzate,  
(sia, di graxia per dono alle veraci lodi) ciaschuno vede:  
& con reuerenza voi rariss. Donna ammira. Impe-  
rò che de beni della cieca, ed instabilissima Dea, come  
di Nobilità di natale, parentele, fauori, d'honorate ric-  
chezze, bellissima figliolanza, & d'altre cose consimili,

a 3 certo

1554

Fig. 47. Granjon italic.



in 1549, and in the same year it is found at the press of the De Marnefs at Poitiers, in Macault's version of Cicero's *Philippics*. The family of De Marnef also printed at Paris, and we should expect them to deal with a Paris rather than a Lyons founder.

The admitted italics of Granjon are those shown on the Egenolff-Berners sheet of 1592, already referred to for its romans. Seven sizes of italic are assigned to Granjon. The largest, a Parangon, has an e with a prolonged tail. This closely resembles the largest italic of Tournes, used only in preliminaries, for example, in Jacques Bassantin's *Discours astronomique*, 1557. Again we may compare the italic of the preliminaries of Plantin's Polyglott Bible, 1570, which is almost certainly Granjon's. In Max Rooses' *Le Musée Plantin* there are many references to dealings between Plantin and Granjon, who for a time, in the years 1565 and 1566, was living in Antwerp. In the period 1560-70 he has been called by Max Rooses, Plantin's "principal fournisseur." In 1563 Plantin drew up an inventory of his stock, and among the matrices mentioned are "le Bréviaire italique de Granjon, le Grec de Granjon, l'italique supérieure de Granjon, une autre italique de Granjon, une troisième italique de Granjon, le texte romain de Granjon, la Parangonne italique de Granjon, le Petit-Canon romain de Granjon, une italique nommée L'Immortelle de Granjon, une lettre française de Granjon." This list includes 11 founts supplied by Granjon by 1563, of which 6 are italics, 2 roman, 1 Greek, and 1 "civilité." From 1565-70, when the recorded dealings between the two cease, Plantin acquired or ordered about 15 other Granjon founts. On January 16, 1565, Granjon furnished 4 founts of Hebrew; on February 3 Plantin orders a fount of "gros grec à la faceon de celui du roy de France accordant sur le Parangon"; on July 5

Fetonte fulminato da Giove. 22



*I spessi cuor, che nuovo peso,  
Et nuova man sentir per la lor briglia,  
H. bber l'incanto. Auri. vilipeso,  
Et qua & la volar tutti le ciglia.  
Vede Giove la terra e'l Cielo acceso,  
Et presto in man le sue siette piglia,  
Et con esso, al firir veloci & pronto,  
Fa nel Po traboccar morto Fetonte.*

Fig. 48. Granjon italic.

there is an agreement for a supply of 2 italics, one of "Garamont" size, and the other "Philosophie." In 1566 Plantin receives punches of "Garamonde Petit Romain" and of "Médian romain," also punches of fleurons, numerals, capitals and types of music. On September 7, 1566, there is an agreement for a supply of civilité. At this date Granjon was living in Antwerp. In January, 1567, Granjon receives payment for another civilité. In April Plantin receives matrices of a Parangonne cursive, and an Augustin italique; in May he orders punches and matrices of a petit canon romain. In November, 1569, Granjon supplies punches and matrices of Syriac for the Polyglott Bible. The last record is of April 18, 1570, when Plantin orders the punches and matrices of an italic Grande-Ascendonica.

From the books printed by Plantin we know that he had a large and interesting series of italic types. Some of these we can connect with Granjon, and others, too, have an historical interest. Plantin's first italic, that in which the majority of his early books are printed (note that italic is still widely used for the main text), is about 11 to 12 pt., in modern measurements, or 20 lines measure 80 mm.; the fount has narrow and tall capitals. It is an unusual and good design, which does not appear to have been used in other countries.<sup>1</sup> *Les Secrets de Alexis Piemontois*, 1557, shows three italics; the main text is set in a St. Augustin which seems to be identical with the type used by Tournes, which we have attributed to Granjon. In Plantin's *Index Characterum*, 1567,<sup>2</sup> this italic is shown on C 3. There are two larger italics in the introductory matter; the first measures 117 mm.

<sup>1</sup> Except at Emden. See Isaac, *Egidius van der Erve*, in the Trans. of the Bibl. Soc., December, 1931.

<sup>2</sup> A reproduction of the unique copy in the Plantin Museum was issued by Mr. Douglas McMurtrie, 1924.



for 20 lines. This type is not connected with Granjon but is of particular interest for its use by English printers. A good example may be seen in James Peele's *The manner and fourme how to kepe a perfecte reconyng*, R. Grafton, 1553, and in Cuningham's *Cosmographical Glasse*, John Day, 1559. Other London printers had it even earlier (cf. Isaac, *English Types*, 1535-58, the 111 italic). To us it seems to be a characteristic English italic because of its frequent occurrence. The third italic in the *Alexis* is a Gros Parangon (20 11 = 143 mm.). This appears in the *Index Characterum* on B 4; there seems to be some reason for assigning it to the founder, François Guyot. This type too was commonly used in England, by John Day, for instance (cf. fig. 257 in Updike). It is one of the types formerly supposed to have been cut by Day. In another Plantin book, the *De regni institutione* of Foxius Morzillius, 1557, we find a type of much the same size as that used by Grafton, a Gros Texte, but this time an italic in common use in Paris, for instance, with Chrestien Wechel as early as 1547. In 1558 in *Les Epitres de Phalaris* we meet a smaller italic, a Cicero, with a conspicuous initial v, which we have found used by Tournes at Lyons in the *Louise de Labé* and other works, and which we have assigned to Granjon. In 1564 we find yet another Gros Texte, a type shown on C 2 of the *Index Characterum* and on the Egenolff-Berners sheet of 1592 as a Granjon. The "Immortelle de Granjon," an interesting italic, again with a conspicuous initial v, which we know from the Egenolff sheet, I have not found in Plantin's books, although it was, as we have seen, included in Plantin's list of his stock in 1563. This "Immortelle" is found in London used by John Day, among others (see the reproduction in Isaac's article, *Trans. of the Bibl. Soc.*, September, 1933, fig. 23).



There is still one more Granjon italic, the *Littera Currens Ciceroniana* shown in one long line on the Egenolff sheet and appearing on C 4 (lower half) of the *Index Characterum*, 1567, which is perhaps the most interesting of all. In a Plantin book there is a good specimen in the *Emblemata* of Sambucus, 1566. In the *Index* the specimen shown begins with the word *Philosophia* and *Philosophie* was also a name for this size of type. Now in July, 1565, Plantin ordered from Granjon the punches and matrices of a *Philosophie*, and it seems likely that this is the type in question; but if so Plantin cannot have received the punches, since the type appears in many places even before its appearance on the Egenolff sheet. In 1565 Sir Thomas More's *Opera* was printed at Louvain by P. Zangrerus in this italic. In 1566 Feyerabend of Frankfurt had an *Æsop* printed in the same type. In the same year Peter Perna of Basle was using it, the Heirs of Steelsius of Antwerp in 1568 and Birckmann at Cologne in 1569. Later we find it used by the Elzeviers of Leyden (see L. van Aitzema *Historia pacis a federatis Belgis*, 1654). The italic is not found in England in the sixteenth century, but it is a Fell type. On a poster issued by the Oxford University Press on the occasion of their exhibition at Messrs. Bumpus in November, 1930, written by Mr. Morison, the type was shown, and it is there explained that in the Oxford Specimen Book of 1693 it appeared with the wrong upper-case.

In his later life Granjon worked at Rome, among others for the New Vatican Press. His work there seems to have been chiefly on oriental types. However, the Corsivo Grosso shown in the *Indice de' caratteri* of that press, issued in 1628, has Granjon characteristics and has been attributed to that designer by Mr. Updike.

## Chapter 6

### ITALIC TYPE IN THE EIGHTEENTH CENTURY

At the close of the sixteenth century books set entirely in italic, especially books of verse, were still common. But there was already one indication that the cursives were becoming the servant of roman; they were being cast on the same body as the romans. In Christopher Plantin's specimen of 1567 the two families are shown quite separately, but on the specimen sheet issued by the Egenolff-Berners foundry of Frankfurt in 1592 each example of roman is followed by one of italic on the same body. Nevertheless there was as yet no attempt to harmonise the two designs, and throughout the seventeenth century, italic was still used independently. The first editions of the plays of Racine may be cited as examples, e.g. the *Esther*, 1689, and the *Athalie*, 1691, both printed in italic by Denis Thierry at Paris. These seventeenth century italics were what we know as old face, cursives of a decided slope and with an inclined but irregular upper-case. Irregularity of the angle of inclination in both upper- and lower-case, was a general characteristic. Most of the letters, in the initial and final strokes, continued the cursive quality of the hands after which they were originally designed. One of the few surviving types of the distinguished designer of the seventeenth century, Cristoffel van Dyck, is an italic of this school, a vigorous design cut without any idea of accompanying a roman, however it might be

used<sup>1</sup>). In England, from John Day to William Caslon, all designers were content to follow continental models.

The reform, if it may be so called, begins with Philippe Grandjean's "romain du roi," with the first step in the evolution of the modern-face roman. But already in the first half of the seventeenth century there is one peculiar italic which may be recorded, as being in some ways a forerunner of later developments. Mr. Updike, in his *Printing Types*, II, 19, refers to a curiously condensed cursive found in the preface to an Elzevier book of 1631, P. Cluverius, *Germania Antiqua*, and says that it is "quite a new note in italic type." The fount is shown in the specimen issued by Johannes Elzevier in 1658, and again in the sale catalogue of the types of Abraham Elzevier of 1713, where its size is described as Dubbelde Mediaan. Charles Enschedé, in an essay included in the specimen of *Die Hochdeutschen Schriften*, published by Messrs. Enschedé in 1919, mentions the type but had not discovered the founder. According to Enschedé it was cut neither by Van Dyck nor by the Luther foundry at Frankfurt. It is not surprising to find that it was in common use in England from about 1650 to 1720, during a period in which many Dutch types were being imported (see fig. 49). It occurs in the sale catalogue of the James Foundry, 1782, as double pica. It is especially common as a heading type on official documents issued by the King's printers. The most striking peculiarity of the type is its condensation, and in order to achieve the condensation the designer has romanised some of his letters; notably the m and the n, in which the shoulders are squared up. The a also is a rounder letter, though condensed, than the typical old-face a.

<sup>1</sup> For its use in prefatory matter, see C. Salmasius *Pliniane Exercitationes*, Utrecht, 1689.

POX of the Fooling and Plotting of late,  
**A** What a Potber and Stir has it kept in the State?  
Let the Rabble run mad with Suspicious and Fears;  
Let 'em Scuffle and Farr, till they go by the Ears;  
Their Grievances never shall trouble my Pate,  
So I can but enjoy my dear Bottle at quiet.

What Coxcombs were those, who would barter their Ease,  
And their Necks, for a Toy, a thin Wafer and Mass?  
At Old Tyburn they never had needed to swing,  
Had they been but true Subjects to Drink, and their King:  
A Friend and a Bottle is all my Design,  
Has no room for Treason, that's stop-full of Wine.

Fig. 49. 17th Century italic.



In the case of this unusual fount the romanising appears to be accidental, due to the effort at condensation. On the other hand with Grandjean's italic we find a deliberate attempt to make the secondary type conform to the roman. He designed his a, m and n like those letters in the Elzevier fount ; one effect of these forms was to remove some of the irregularity of slope from the lower-case. In the upper-case he also gave a more consistent slope to his letters. In the old-face italics the inconsistency of inclination was not in itself unpleasing, except where the capitals were composed together. But when considered in relation to roman the effect might be disturbing. That Grandjean, when designing his cursive, had in mind the roman, is shown by the fact that he introduced the straight-shanked h, a form new in italic. His v too was new, at least in typography, and remained a form peculiar to the eighteenth century. Grandjean's successor at the Imprimerie Royale had by 1712 carried the matter a little further. Grandjean had not altered the cursive beginning strokes of the lower-case letters. Alexandre reduced these strokes until they were something half-way between serifs and the pen-strokes of the old face.

Pierre Simon Fournier makes a few interesting remarks on the subject of italic in the "Avis" to his *Modèles de caractères* of 1742. He calls attention to the great difference between his italic and all preceding designs, and says that he has made his italic more like contemporary writing, meaning the formal hands of the engravers. He then adds that he has distinguished "bien surtout les pleins et deliés," the thick and thin strokes. In his treatment of the serifs he was responsible for an important innovation, namely the introduction of roman serifs on lower-case letters such as m, n, p and r. In the splendid examples of his italics shown in the

## ITALIQUE.

**O**THON lui livre la bataille, & la perd: il avoit pourtant encore assez de forces pour faire tête à l'ennemi; mais quelque chose que pussent lui dire ses soldats, dont il étoit extrêmement cheri, pour l'engager à hazarder une seconde bataille, il aima mieux mourir genereusement que de répandre davantage le sang de ses Sujets. Après avoir dormi toute la nuit d'un profond sommeil, il se passa son épée au travers du corps, étant dans la trente-huitième année de son âge, & le troisième mois de son Empire.

Fig. 50. Fournier's italic.

*Modèles* of 1742 these serifs are inclined and bracketed. He has taken over all the changes introduced by the punch-cutters of the Imprimerie Royale. With the addition of the roman serifs, the absence of tied letters and the regularity of the inclination, Fournier carried the idea of conformity with roman further than any earlier designer (see fig. 50). It should be added that possibly, in the matter of serifs, he had been preceded by Louis Luce, who showed a similar italic in his specimen of 1771 and complained that his designs had been copied as early as 1732. However, Fournier in his *Manuel Typographique* claims originality for his italic. Fournier's excellent design became popular and may be called the characteristic cursive of continental printers of the middle years of the eighteenth century. All French specimen books of that period show these italics with bracketed serifs. The chief designers in other countries (not including England) e.g. Rosart in the Netherlands, and especially Bodoni in Italy, followed the Fournier model.

Popular as the Fournier italics were, they were comparatively short-lived. Soon after Fournier's death, the great founders of the Didot family completed Grandjean's work and cut the first fully developed modern-face romans. As a secondary letter they designed an italic with still less of its original calligraphic quality. In 1784 Pierre Didot l'ainé issued his "Épître sur les progrès de l'imprimerie" printed in an italic designed by his brother Firmin at the age of 19 (see fig. 51, 52). This fact we learn from the notes to the *Épître*. In 1786 Pierre published a second edition along with his "Essai de nouvelles fables," and with additional notes. He states that Firmin, who was born in 1764, had cut the italic of the first edition, a 12 pt., and since then the 8 pt. of the notes of the second edition and the 10 pt.

É P Î T R E  
S U R  
LES PROGRÈS  
DE L'IMPRIMERIE.

PAR DIDOT, FILS AÎNÉ.



A P A R I S,  
IMPRIMÉ CHEZ DIDOT L'AÎNÉ,

avec les italiques de FIRMIN, son second fils.

M. DCC. LXXXIV.

Fig. 51. Didot's Modern Face.



of the "Approbation." The larger italic of 1784—it had appeared already in 1783 in F. A. Didot's editions of Corneille, of Racine, and of Fénelon's *Télémaque*—was especially commended by Mr. Stanley Morison in an article in *The Fleuron* No. 5, "Towards an Ideal Italic." This article was written from a special point of view, the ideal being a perfect harmony with roman. He finds that the Didot letter approaches nearer to being an inclined roman than any previous cursive. He notices the absence of foot serifs to the p and q as being a relique of a calligraphic fount. The top serifs to the lower-case letters are again roman, but not bracketed like Fournier's. They are flat, both above and below, to harmonise with the serifs of the modern-face roman. In addition to the almost mechanical regularity of the slope, the colour is lighter than in Fournier's design. The lighter typography of the eighteenth century was unfavourable to italic, which could not support further loss of colour. This side of the degradation of italic is illustrated by Fleischman's cursives. That founder has been accused of taking all the life out of his types, an accusation which is certainly well-founded in the case of his italics. Firmin Didot himself went on to design modern-face romans of a more abrupt modelling, with a greater contrast between the thick and the thin strokes, and accordingly produced heavier and more abruptly modelled italics. These are to be seen in the well-known Louvre editions printed by his brother Pierre towards the end of the century. The flat serifs, however, remained, were generally copied and will be found in the specimen books of most continental founders of the next generation. Bodoni of course adopted the new fashion, and a little later we find the German founder, Erich Walbaum, whose modern-face roman has recently returned to favour,

---

É P Î T R E  
SUR LES PROGRÈS  
DE L'IMPRIMERIE.

---

A M O N P E R E.

*CET art qui tous les jours multiplie avec grace  
Et les vers de Virgile et les leçons d'Horace ;  
Qui , plus sublime encor , plus noble en son emploi ,  
Donne un texte épuré des livres de la Loi ,  
Et , parmi nous de Dieu conservant les oracles ,  
Pour la religion fit ses premiers miracles ;  
Des grands événements cet art conservateur ,  
Trop ingrat seulement envers son inventeur ,  
N'a pas su nous transmettre avec pleine assurance  
Le génie étonnant qui lui donna naissance.  
Toi qui sus concevoir tant de plans à la fois ,  
A l'immortalité pourquoi perdre tes droits ?*

cutting an italic in the Didot style. The specimens of Gillé fils circa 1808 (reproduced in *The Fleuron* No. 6) of N. P. Gando of circa 1810 (reproduced by Messrs. Enschedé in 1917) and of Molé le jeune, 1819 (shown in Updike, fig. 322) all illustrate the way in which Didot had revolutionised the design of italic. In the printers' specimens of Carl Wolf at Munich, 1825, and of Carl Tauchnitz, Leipzig, of the same year, we can trace the popularity of the modern style in Germany.

Meanwhile the Didots had in part reversed their style. They had given up the roman serifs and designed the lifeless italics which were ultimately to prevail in the nineteenth century. Firmin Didot's new italic may be seen in the specimen issued by the Imprimerie in 1812, and that of his brother in his specimen of 1819. Both have given up the roman serifs and have produced cursives of mechanical rigidity, with no life of their own, and not intended to be used on their own. The "Avis" to Pierre Didot's specimen is set in one of these spineless letters, and the reader is immediately conscious that this is only an introduction and that he will not be expected to read a book in such a type. However, the Didots, if their intention was to kill italic as an independent letter, had attained that end. Although italics with flat roman serifs continued to be used for some years—the Imprimerie displayed them in a specimen of 1855—it was the latest of the Didot designs that was destined to survive.

In England during the eighteenth century the design of italic followed a similar course and met the same end. There is one exception to be noted: roman serifs never appeared on an English italic. Such cursives are occasionally found in an English printed book, but were, I believe, imported types; at least they are not to be found in the extant speci-

men books of English founders.<sup>1</sup> As in the case of the modern-face roman, the beginning of the revolution is to be traced to John Baskerville. His italic has received much less praise than his roman; it has been described as pinched and wiry. But the use made of the Monotype version in our day by the Harvard University Press in their edition of the Boswell papers, suggests that it has been underrated. Baskerville's italic is more evenly sloped than the old face; it has the rounded a, the m and the n shaped as in Grandjean's type; from that source too he has copied the straight-shanked h, though he has not taken over the v; that eighteenth century letter is absent from English cursives. The g and the s are other letters which bring the Baskerville lower-case into closer harmony with the roman. On the other hand he has inconsistently retained some calligraphic letters in the upper-case, e.g. the K and the N. Baskerville's italic influenced the design of cursives in England for the next half century, until the introduction of the modern face. We can trace that influence in the specimen sheet of Isaac Moore of Bristol, 1768, and in those of Alexander Wilson of Glasgow. The italic of William Martin, the last of the type-designers in the transitional period, is even more Baskervillian than his roman. There is in fact only one other design of the period which requires special comment, that of Richard Austin, type-cutter in John Bell's British Letter Foundry, established in 1786. Mr. Morison particularly commends the Austin italic on the ground of its harmony with the roman. He finds that the type is of even slope and "carries into it the characteristics of the roman," especially in the matter of serif treatment. The serifs of the capitals

<sup>1</sup> See Thomas Maurice *An Elegiac and historical poem*, 1795, and *The Feudal Hall. A poem by Agrestis*. T. Bensley, 1815.



are not the unbracketed serifs of the nineteenth century, but are carefully shaped in an arc on the under side. As to the lower-case the type is very like Baskerville's, though less pinched, while some of the swash capitals are clearly derived from that source. The individuality of the serif treatment, the reintroduction of the rounded h (the straight-shanked h was also supplied) and other small details separate Austin's italic from the nineteenth century design.

The final step towards the modern italic was taken about 1800 by Robert Thorne. In his specimen of 1803 the new modern-face romans, one of them dated 1800, are accompanied by italics which are in several ways parallel to the later work of the Didots in France (see fig. 53). The serifs of the upper-case and of the ascenders of the lower-case are flat and unbracketed; cursive beginning strokes are still retained, as in all English italics, but have quite lost the quality of flowing pen-strokes. The mechanical regularity of the slope adds to the lifelessness of Thorne's design. Finally the tendency to over-modelling, characteristic of nineteenth century types, is already in evidence. The other London founders rapidly followed Thorne's example. As the English founders missed the stage of cursives with roman serifs, they arrived at the modern italic even before their French colleagues.

*Quousque tandem abutere Catilina,  
patientia nostra? quamdiu nos etiam  
furor iste tuus eludet? quem ad finem  
sese effrenata jactabit audacia? nihilne  
te nocturnum præsidium palatii, nihil  
urbis vigilice, nihil timor populi, nihil  
consensus bonorum omnium, nihil hic  
munitissimus habendi senatus locus, ni-  
hil horum ora vultusque moverunt?  
patere tua consilia non sentis? constrictam  
jam omnium horum conscientia te-  
neri conjurationem tuam non vides?*

**ABCDEFGHIJKLMNOPQRST  
UVWXYZÆŒ**

Fig. 53. Thorne's italic.

## APPENDIX

LIST OF BOOKS PRINTED AT ROME BY VICENTINO,  
1524-27

1. G. G. Trissino, *Canzone*, s.n. (spring of 1524).
2. *Coryciana*, ed. B. Palladius. Vicentino and Lautizio Perugino, July, 1524.
3. G. G. Trissino, *La Sophonisba*. Vicentino and Lautizio, July, 1524 (other issues, September, 1524).
4. Trissino, *Oratione . . . al serenissimo Principe di Venetia*. Vicentino and Lautizio, October, 1524.
5. Trissino, *I Ritratti*. Vicentino and Lautizio, October, 1524.
6. Trissino, *Epistola de la vita che dee tenere una donna vedova*. Vicentino and Lautizio, 1524.
7. Trissino, *Epistola de le lettere nuovamente aggiunte ne la lingua italiana*, s.n.
8. B. Casalius, *In legem agrariam . . . oratio*. Vicentino and Lautizio, 1524.
9. G. Sauromanus, *De religione ac communi concordia*, 1524.
10. Pietro Aretino, *Laude di Clemente vii*. Vicentino and Lautizio, December, 1524.
11. Aretino, *Esortatione della pace fra l'Imperatore e il Re di Francia*. Vicentino and Lautizio, 1524.
12. A Firenzuola, *Discacciamento de le nuoue lettere inutilmente aggiunte*. Vicentino and Lautizio, December, 1524.
13. A. Franci, *De le lettere nuovamente aggiunte*. Vicentino and Lautizio, s.n.
14. *Bulla Clementis Papæ Septimi contra homocidas*. Vicentino and Lautizio (dated Prid. Idib. Junii, 1524).

15. Z. Ferrerius, *Hymni novi ecclesiastici*. Vicentino and Lautizio, Kal. Feb., 1525.
16. P. Cursius, *Poema de civitate Castellana faliscorum*. Vicentino and Lautizio, March 29, 1525.
17. C. Marcellus, *In Psalmum usque quo Domine oblivisceris me*. Vicentino and Lautizio, April 12, 1525.
18. Aretino, *Canzone in laude del sig. Datario*. 1525.
19. P. Collenuccio, *Specchio di Esopo*. Vicentino, 1526.
20. Collenuccio, *Apologi IIII*. Vicentino, 1526.
21. *Panegirico di Francesco (Cattani) de Diacceto*. Vicentino, 1526.
22. Pope Julius II, *Oratio de pace*. Vicentino, 1526.
23. *Itinerarium Philippi Belluccii*. Vicentino, s.n.
24. H. Vida, *De Arte Poetica*. Vicentino, May, 1527.

The three works by Aretino are quoted from Mazzuchelli's *Vita di Pietro Aretino*. Of all the others there are copies in the British Museum. Nos. 1-18 are printed in Vicentino's first italic, Nos. 19-24 in his second type.



## Chapter 7

### SCRIPT TYPES

A SCRIPT type is one cut in imitation of current handwriting, not of the cursive book hands, but of the ordinary script in everyday use. The Bastardas, Fraktur and italic, were after all book hands. As there may be varying degrees of currency, it might be expected that there would be types on the border line between the two groups, which might be placed in either. There are a few such types, but on the whole this difficulty does not arise. In modern usage the script is intended for the printing of tickets, circular letters, cards, paper money, etc., and such was the intention of Fournier as laid down in the specimen of his "*bâtarde coulée*" of 1749. But almost all the early scripts were cut as book types and were used as such, for example Hans Kilian's *Kanzleischrift*, Granjon's *civilité*, and Pierre Moreau's *bâtarde*. As the scripts are based on current handwriting, they fall, like the hands, into the two divisions of gothic or mediæval, and Latin or renaissance. The Germans still write a gothic hand, and there are traces of gothic in French hands of the eighteenth century, apart from survivals or revivals of *civilité*. Pure Latin scripts are curiously late in their appearance; there are none recorded before the seventeenth century.

### GOTHIC SCRIPTS

In the second part of Vicentino's writing book, published in 1523, among other hands there is shown a

"Lettera da bolle," that is the script used for the writing of Bulls, or at least derived from that script. This is an upright, round, gothic hand, which in the lower-case has some resemblance to Schwabacher, or to the later French hand called Ronde. The form was established by tradition and most of the Italian calligraphers, who published their work, display a specimen. That the hand was cut as a type has apparently not been recorded hitherto (see fig. 54). There is in the British Museum a single sheet of vellum set in a type which is a faithful transcript of the "Lettera da bolle." The type area measures about 200 mm. by 300 mm. The text is a form, with blanks not filled in, granting a license to marriage within the prohibited degrees. It was issued by the "Collegium della Fabrica di S. Pietro." This College of 60 members was set up by a Bull of Pope Clement VII dated December 12, 1523, for the purpose of the completion of the building of St. Peter's in Rome. Their privilege to grant the kind of license of which our sheet is the subject was given to the College by Pope Paul III in a Bull dated February 3, 1542. The printed document cannot then be earlier than 1542, but it has the appearance of being not much later. The word Collegium at the head is set in a line of curious, rather ugly, initials, which again can be paralleled in contemporary writing books. The initial C includes a woodcut of St. Peter, which certainly looks like work of the sixteenth century. The sheet then was probably printed about 1550, and the printer would no doubt be the official church typographer, Antonio Blado. It seems likely that a search in Roman archives would bring to light other specimens of the use of this remarkable type.

In 1525 Eustachio Cellebrino, a woodcutter and calligrapher among other things, published at Venice a

little book showing the "Lettera mercantesca," a gothic script; it may be recalled that even in Italy, as late as the middle of the sixteenth century, a variety of gothic hands still survived, as may be seen in the popular writing manual of Palatino at Rome. Conservative commercial circles were still using mediæval hands. As has been pointed out in the case of roman and italic, it was the humanistic scholars who were responsible for the renaissance hands, whether in the manuscript or the printed book.

This particular variety, the "Lettera mercantesca" was translated into type, although very little used. It stood no chance as a book hand against the many fine cursives of the Vicentino school now at the disposal of Italian printers, and the day for paper money and the other modern uses of the script had not yet arrived. The "mercantesca" type seems to be due to another writing master, Domenico Manzoni, who published at Venice in 1546 a school primer entitled *Libretto molto utile per imparare a leggere, scriuere & abaco*. About half a page of this small book, printed by Comin da Trino, is set in the script. A few other books by Manzoni contain some words in the type, e.g. his *Abachetto nuovo*, 1553 (see D. E. Smith's *Rara Arithmetica*, p. 257) and *La brieve resolutione di aritmetica*, 1553. Probably also his later manual of 1564 recorded in Destailleur's *Catalogue de livres rares*, 1891, contains some of the type.

After these early experiments, the Italians appear to have cut no gothic scripts, nor Latin either before the time of Bodoni. North of the Alps we have to trace the German Currentschrift, the French civilité with its Netherlands branch, and the English secretary.

In sixteenth century Germany the calligraphic books of the writing masters show that beside the ordinary Currentschrift there were various Kanzleischriften, more



Quare mediante eorum Commissario supplicari fecerunt humiliter  
lery habentes de opportune dispensationis gratia misericorditer pro  
missa fuit eorum in hac parte supplicationibus inclinati Antea  
per patres manu Commissarii nostri et Notarii instrumentum subscri  
bita de certis subsidio ad illius utilitatem ac opus ipsum prosequen  
tium subiacerunt quod impedimento Tertii et Quarti graduum  
nuptiae libere valeant inter se matrimonium contrahere et in eo postquam  
modo dicta mulier propter hoc ab aliquo raptam non fuerit prolem  
patres omnibus et singulis ad quos spectat ne sub excois et Quin  
quentes sic dispensatos possint ut prefertur dispensati fuerint quoniam  
aut sine presumant Datum

Fig. 54. Lettera da Bolle.



formal scripts used in the German Chanceries. Some are very like Fraktur, while others are even more fanciful, described as "gebrochene," the original meaning of Fraktur. Caspar Neff's book, Cologne, 1549, with a later edition, 1580, shows specimens of Kanzlei which are "zurückgebogene," inclined to the left, "hangende" inclined to the right, and "gewundene" which may be translated as tortured. Two of these varieties were cut as types, the two earliest gothic scripts in Germany. A printer at Hamburg, Joachim Louwe (1549-69), had a "gebrochene hangende Kanzleischrift," of which a reproduction is given in J. M. Lappenberg's *Zur Geschichte der Buchdruckerkunst in Hamburg*, 1840, p. 30. The *Liber de purgatorio* of Johannes Æpinus, with the imprint Londinii, 1549, has a sheet of Errata at the end in this "Kanzleischrift," and must have been printed at Hamburg, although the main part of the book was printed by Richard Grafton. The author's preface is dated from Hamburg. The other Kanzleischrift, the earlier in date, is a more handsome letter, one of the best scripts ever designed.

Crous and Kirchner, *op. cit.*, give a reproduction (Abb. 98) from the *Friedschirmsbuch* of Marsilius of Padua, printed by Hans Kilian at Neuburg on the Danube in 1545. The letter is found used occasionally in several books of Kilian's, and in 1557 the whole text of his edition of the German version of Donato Gianotti's history of Venice is set in the script. The type is "zurückgebogene"; some of the down strokes are bent backwards, although the type as a whole may be described as upright. The capitals are Fraktur. Close parallels to both these Kanzleischriften may be seen in Neff's writing book. Kilian's type was used later at Laugingen by E. Salzer (see A. Schiess *Kurtze verzeichnus der fürnembsten Historien*, 1564).

The next script, a more usual Schreibschrift, is that of Christopher Froschouer of Zurich, used in the German edition of Hans Bluom's architectural work, *Ein kunstrich Buch von allerley Antiquiteten*, 1567. Bluom's work on the five orders of classical columns appeared first in Latin in 1550, printed by Froschouer, and was succeeded by many other editions, illustrated with woodcuts by the author. Mr. Updike gives a reproduction from the German edition (fig. 77) from which it appears that the script was used for part of the text along with a Schwabacher. It has sufficient colour to go with that black letter. Although it represents a contemporary German hand, the printer was no doubt influenced by Granjon's civilité, which had by this time won considerable popularity. After this sixteenth century example I find no other until the Frankfurt script of about a hundred years later. This appears first on the specimen of Reinhard Voskens, undated, but about 1660. It is found also on other Frankfurt sheets, that of Stubenvoll, 1713, and J. F. Halle, 1727. The Enschedés have the type and it is shown in their *Hochdeutsche Schriften*, 1919. They consider that it came from the Luther foundry, and no doubt that foundry also had matrices, but Voskens seems to have cut the original punches. Possibly this Voskens is identical with the brother of Bartholomeus Voskens. The two brothers started their famous foundry at Amsterdam in 1641, and by 1646 it is known that they had parted.

This Frankfurt Currentschrift was not known to Faulmann, who in his *Illustrirte Geschichte der Buchdrucker-kunst* describes the earliest German scripts as those of Christian Zingk of Wittenberg, cut early in the eighteenth century after the hand of Schmotther, and of Christian Porsdorff of Leipzig, 1722. He says that an edition of

Luther's *Katechismus* was printed at Eisenberg by J. Z. Fleischer in 1725 in this script. Perhaps the German printers used their scripts more in the modern fashion for ephemeral publications, since remarkably few books have been recorded set in script types. The "Cursive allemand" shown by Fournier was procured from the Leipzig founder, Breitkopf, but it appears to date from the previous century, as Fournier says that books were printed from the script at Nuremberg about 1695. The Schreibrschriften of the eighteenth century, such as the two examples shown in the Enschedé specimen, one dated 1772 and the second cut by Unger, illustrate the evolution of the German current handwriting. Unger's script has become much lighter and simpler than Froschouer's, though little changed in design. Breitkopf also had a lighter design shown in his specimen of 1786 of which a reproduction is given in "Ars Typographica," vol. II, no. 2. The latest script shown by the Enschedés, the "Klein Kanon," of unknown origin, has lost all colour; it corresponds among gothic scripts to Didot's "Anglaise" among the Latin. It is like the Anglaise not only in colour, but also in the attempt to conceal the fact that it is type by the close fitting of the connecting strokes. Again, like Anglaise among the Latin scripts it remained the standard script throughout the nineteenth century.

The Viennese founder, J. T. Trattner, in his specimen of 1787, displays three scripts, one the usual Current-schrift, the second a Latin script, and the third a Kanzlei-schrift. A letter similar to this last appears in a specimen of 1796, showing the work of another Viennese founder, J. L. Kurzbock (died 1792)<sup>1</sup>; this is an upright script, a late survival of the gothic chancery hands, and may be compared with the French Ronde. In contrast with the

<sup>1</sup> Shown in Mayer's *Wiens Buchdrucker Geschichte*.



earlier Kanzleischriften, Trattner's specimen has been modified in the direction of the Latin hands.

In 1557 Robert Granjon settled in Lyons and began to print there in a gothic script of his own design. The first book in this type was a French version from Innocenzo Ringhieri, entitled *Dialogue de la vie et de la mort*, and in the dedication Granjon explains his intention in cutting this new design which he calls "lettres françaises" (see fig. 55). Since other countries had national designs for books in their own language, so he considered that the French should have a type based on the national hand for books in French. However, the hand which he translated into type was not the old French book hand, the "lettre bâtarde," but the contemporary current script. This is an indication that the "lettre bâtarde" was a script of the past, which had now passed out of use. Books had ceased to be hand written and Granjon, in his attempt to introduce a rival to italic, was too late; the book types were already decided, and what he designed proved only an historical curiosity in typography, which is after all what most of the script types are. They have no bearing on the development of our principal book faces.

The popular and lasting name for the type was derived from the titles of two books among the earliest to be printed in the new letter, an edition of Erasmus' *La Civilité puerile*, Jean Bellère, Antwerp, 1559, and *La Civile honnesteté pour les enfans*, R. Breton, Paris, 1560. Civilité in this connection means "good manners," and a number of educational books treating of manners and of the art of writing came to be printed in civilité. It was thought to be an advantage that children should learn to read from a book printed in a type resembling the ordinary current script.

Between 1557 and 1562 Granjon printed some 20



books in his new type. In *P. Galtberi Alexandreidos libri decem*, there is printed a privilege, dated December 26, 1557, granted by Henri II, giving Granjon a monopoly of his design for ten years. The privilege, as often, seems to have made little difference, for in 1559 two Paris printers, Richard Breton and Philippe Danfrie, began printing in a close copy of Granjon's civilité. A list of books in their civilité is given by E. Picot in his *Note sur G. Richardière et Ph. Danfrie*. Picot says that Granjon allowed this Paris firm to make use of his privileged letter, but gives no authority for the assertion ; at any rate their design is a copy and not the original Granjon. Another Paris variety appears in the writing book of Pierre Hamon, 1561, where some introductory verses are set in civilité. In the meantime Granjon had supplied his type to Guillaume Silvius and to Plantin. Plantin had three civilités cut by Granjon, two of which appear in his *Index Characterum* of 1567, one being identical with that used in Granjon's own books, and the other, a larger and more formal design. Granjon was living in Antwerp in 1565 and 1566, and in 1565 an edition of L. Vivé's *Introduction de philosophie divine* was printed by Silvius with Granjon's name and device on the title-page.<sup>1</sup>

Granjon's script did not win great popularity in France, although used occasionally at all periods. Philippe Danfrie's *Graphomètre*, Paris, 1597, shows a larger design, rather more like the later hand known as Ronde. Another Paris printer, Claude Micard, printed P. Habert's *Le Chemin de bien vivre*, 1597 in another civilité. Habert's is again a book of manners and writing. At Lyons Jean de Tournes used a few words

<sup>1</sup> See a reproduction in Sabbe and Audin *Die Civilitt-Schriften des R. Granjon*, Vienna, 1929. This book shows a dozen different civilités, from Granjon to Perrin, French and Flemish.

**E**xtrait du privilège  
du Roy.

**J**E ba plean au Roy, nostre sire, de donner  
privilege et permission à Robert Granjon d'imprimer  
ce pnt Livre, (intitulé Philippi Callissey Alexandridos)  
de sa lettre francoise d'art de maing: & pour remuneration  
de son Invention, vault Iceuluy Seigneur, que nul autre  
(quel qu'il soit) en ce Royaume: n'aye à tailler poinssons,  
ne contrefaire ladz lettres francoises d'art de maing:  
Ne d'icelle vendre ne distribuer aucune Impression:  
fors celle qui sera imprimée par ledz Granjon, Sur  
eculaines et grandes peines contenues aux lettres de  
privilege dudz Granjon. Et ce pour le temps et terme  
de six ans consequutifs, à compter du Jour et Date  
des presentes: quant à l'imitation desd. caracteres d'art  
de maing, et quant à l'impression dudz Livre, du Jour  
et Date qu'il sera assigné d'imprimer. Et outre ce,  
ledz R<sup>oy</sup>, tant pour ceste oeuvre, que pour autres  
contenues et mentionnées en sesd. lettres, vault et  
entend que par l'extrait et Inscription qui sera faicte  
d'iceuluy en chacuy Livre: les Deffences et Inibitions  
mentionnées auxd. privilege, soient tenues pour  
suffisamment signifiées à tous Imprimeurs et autres  
qu'il appartiendra: Comme plus à plain est contenu aux  
lettres patentes dudz R<sup>oy</sup>, Données à Saint Germain  
en Laye, le xxvj. Jour de Decembre l'ay de grace  
mil cinq cens cinquante sept, ainsi signées:

par le Roy,  
Maistre Jean Nicot, maistre des Requêtes  
du Roy, present.

Signé.

of the original Granjon script in his *Calendrier Historial*, 1563; Jean de Tournes II had two civilités, neither of them the original Granjon; the smaller was used in *La Galatée*, Geneva, 1598, and the larger in C. Guichard, *Funerailles des Rommains*, 1581. The type of the Guichard survived at Lyons and appears in the Delacolonge specimen of 1773. Civilité never entirely dropped out of use in France, and examples are shown in many specimen books of the eighteenth century; there is an excellent specimen in Claude Lamesle's book of 1742, and Fournier, of course, shows one. Finally Louis Perrin at Lyons in the middle of the nineteenth century printed J. Soulayr's *Sonnets humoristiques* in civilité. By Fournier's day the script no longer represented the current hand of the French, which had become Latin, and MM. Sabbe and Audin point out that the compositors often confuse certain letters.

Civilité enjoyed a greater popularity in the Netherlands, more particularly in a variety based on the contemporary Flemish hand. Aimé Tavernier of Bailleul, who was a founder and printer at Antwerp, had produced his Flemish design by 1559, in imitation of Granjon. Plantin, too, besides the scripts cut by Granjon, had others from Flemish founders.<sup>1</sup> The Enschedés possess six founts of civilité dating from the sixteenth century, which they display in their specimen of 1926. Two were cut by Tavernier, and two others, with perhaps a third, by Henric van der Keere, founder at Ghent. The sixth may, perhaps, be a Granjon. It was used by Plantin and was possibly the third of the civilités which he bought from the original designer. The two sizes of "geschreven" shown on the specimen sheet of the widow of Dirk Voskens, c. 1680, appear to be Taver-

<sup>1</sup> For details, see Sabbe and Audin, *op. cit.* and also for references to books printed in the Netherlands in civilité.



nier's; they are the same as those shown on pl. 17 and 18 of Sabbe and Audin.

Of French civilités in general it may be said that the type was never a practical one. Granjon's intention of introducing a new "lettre française" entirely failed. In order to carry out the idea of imitating a script many extra ligatures had to be cut; there were often three or more varieties for one letter; there was an initial m, a medial m, and a final m. The long s and the f were very thick in the face and too conspicuous on the page. The French design is better than the Flemish, which has a restless appearance like the German Currentschrift, because of its lack of a prevailing direction of the strokes.

### GOTHIC SCRIPTS IN ENGLAND

From Martin Billingsley, who published his calligraphic work *The Pen's Excellence* in 1618, we learn that at that time the normal handwriting of commercial circles was a gothic script, the secretary hand. As this script was not superseded by the Italian hand until well into the seventeenth century, it is rather surprising that there are not more traces of its influence in typography. The secretary hand had, in fact, its counterpart among our types, but for some reason or other the type was not used for the printing of books, as was the contemporary civilité in France and the Netherlands, but, on ephemeral circulars and notices in the manner in which script types are used to-day. Specimens are consequently hard to find, and the subject has not been treated at all fully. Some account of such types is to be found in Mr. Hilary Jenkinson's article on "English Current Writing" in the *Transactions of the Bibliographical Society*, vol. XIII, and there the type is not, of course, the main subject of the research. There were at least



three of these secretary types, but only one has, I believe, so far been reproduced.

It may be noted that the term secretary has been used in typography to denote various gothic Bastard types of the same family as Caxton's. It seems better to confine the term to the script based on the Elizabethan current hand, such as was shown by John Baildon in the earliest English writing book of 1570, and which Baildon calls the secretary hand. It was a hand used throughout Europe, with national peculiarities, in Italy as well as in the countries north of the Alps. In Italy it was called *lettera francese* or *lettera mercantesca*, as we have seen from the little book of the Venetian calligrapher, Eustachio Cellebrino. In France and the Netherlands it was known as *civilité*. There was actually one book printed in Edinburgh in one of Granjon's *civilités*, an edition of *Æsop* printed by Thomas Bassandyne in 1571.

A genuine English script was apparently not cut until towards the end of the century. From 1576 we find one in use first by Bynneman and then by the King's printer, Christopher Barker, who was, in 1599, succeeded by his son Robert, the printer of the Authorised Version of the Bible. The type appears first in the colophon of A. Guarina's *Bellum grammaticale*, Bynneman, 1576; it was next used for the printing of various official and semi-official notices, in which certain portions were to be filled in by hand. Mr. Jenkinson, in the article referred to above, reproduced part of a wine licence issued by Sir Walter Raleigh under the monopoly granted to him on May 4, twenty-fifth year of Elizabeth, i.e. 1583, and renewed on August 9, 1588. In the Record Office there are hundreds of these licences printed in secretary, in a number of different settings. The printed forms were available soon after the date of the granting of the

monopoly, the earliest noted being filled in for June 20, 1583. In the Record Office, also in the same secretary, are many bundles of recognisances entered into by victuallers, of which the earliest noted date from the forty-second year of Elizabeth, i.e. 1599-1600. Mr. Jenkinson refers also to marriage licences as being set in the same type. In one series of documents it was used on the King's business, on circular letters demanding loans, the earliest preserved being issued in the second year of James I, July 31, 1604. Editions for the ninth and eleventh year are also preserved. One of the most interesting documents printed in the script is one relating to the affairs of John Stowe, the chronicler and antiquary. This is an epitome of the letters patent issued on March 6, 1604, authorising Stowe to "collect voluntary contributions and kind gratuities" in relief of his continued poverty.<sup>1</sup>

This secretary came into the possession of the Grover foundry, and thence to the James foundry. In the Sale Catalogue and Specimen of that foundry of 1782, it is shown under the title "Great Primer Secretary," along with Union Pearl, the Ichabod Dawks cursorials, and other scripts. Most of the curious matrices were acquired by Dr. Edmund Fry, descended to the Fann Street foundry, and so came into the hands of T. B. Reed, the author of *The Old English Letter Foundries*. But by that time the Great Primer Secretary had disappeared. A Dutch origin has been suggested for the type. It so happens that through the publications of Messrs. Enschedé, of Haarlem, the Plantin Museum at

<sup>1</sup> Other sheets printed in this secretary No. 1 are a proclamation of the thirty-fifth year of Elizabeth's reign, headed "Abuses used concerning the heaving, sawing and measuring of timber" (Lansdowne MSS., vol. 161, no. 22), and "A Brief of the Bill concerning Printers" (Ames Collection of Title-pages, p. 58), which relates to an act of 1614 restricting the importation of books.

Antwerp, and the researches of MM. Sabbe and Audin, we have records and reproductions of a large number of Netherlands civilités. The English secretary differs from all these, and also from the French civilités known to have been in use at Paris and Lyons in the sixteenth century.

The circular letters issued by James I have been mentioned. The issue for the third year of his reign is printed in a different secretary, larger in face, and more upright than the Great Primer. The recognisances of victuallers preserved in the Record Office for the sixteenth year of James I are also in this secretary No. 2 (see fig. 56). From the seventeenth year of James I onwards, these particular forms are set in roman and italic. The type, however, was still in use, and as late as August 19, 1670, we find a Privy Council notice relating to the infringement of the copyright for law books held by Richard Atkyns, set in type No. 2. This secretary was taken to York, possibly by the King's printer, Robert Barker II, who was summoned by the King to York in 1642. However, the two York documents I have seen are of rather later date, one being a jury list dating from the Commonwealth, in the possession of Messrs. Hodgson, and the other an ecclesiastical document, a licence for probate issued in the diocese of York. The printed form is for 1670, but it is filled in for March 11, 1678.

Some use of secretary No. 2 is found in printed books. The specimens of the secretary hand displayed by the writing masters of the seventeenth century were usually engraved on copper-plates. But occasionally more elementary school books, consisting mainly of letter-press giving instructions for writing, contain a specimen of secretary printed from type. Edmund Coote's *The English Schoolmaster*, a book which appeared first in



his speedy putting them in execution, may require  
in this unusual manner, to recommend his  
person, and of our special grace, begun the  
Ginty at our palace at Westminster,

No. 1.

A a b c d e f g h i j k l m n o p q r s  
t u v w x y z.

A B C D E F G H I J K L M N O  
P Q R S T U V W X Y Z.

In the name of the father, and of the son, and  
of the holy ghost, Amen.

No. 2.



No. 3.

Fig. 56. Secretary.



1596, and was reprinted many times throughout the seventeenth century, gives us an example. The early editions include no specimens, or none printed from type. But the editions of 1636, 1662, and 1673 have at the end a specimen of our type No. 2, consisting of an alphabet and a specimen from the Psalms. The edition of 1684, in the place of secretary, shows an Italian hand, printed from an engraved plate. This secretary No. 2 is not known from any type specimen, either English or foreign, and has, I believe, never been shown before.

There is still a third fount of secretary, of a still larger size and of more handsome design. This was used for the words in a music book of 1641. Scripts have frequently been used with music; one example was shown by Mr. Morison (*The Fleuron*, No. 4, p. 5) from the press of Sebastien Cramoisy, 1625. The Netherlands type-designer, J. F. Rosart, says of a Financière cut by him in 1753, that it was designed "pour servir à la musique." The English work referred to is John Barnard's *Book of Selected Church Musick*, printed by Edward Griffin in 1641 (see fig. 56). The type appears in no other book from the same press of those preserved in the British Museum, nor have I found it anywhere else. Barnard's book is a handsome production decorated with some fine calligraphic initials and tailpieces. The author's preface is worth quoting for the interesting light it throws on correcting for the press in his day. "If therefore anyone surveying this volume shall find it short of what he expected, or I perhaps purposed, and gave out; To him, let me answer first, that what paines (and I may add watchings) I have sustain'd in gathering, collationing, correcting, revising this that is already done with such wearisome trudging up and downe to the Presse, so farre from my house, if no man can imagine of himselfe, I am sure mine owne overyoyled body, and

wasted spirits feele." It is known from other sources also that proof sheets were not usually sent out, but had to be corrected in the printing house.

Besides these secretary types there was another kind of gothic script which survived even longer, a legal script known as court hand. This was a hand of considerable antiquity, of which the history is traced in Mr. Jenkinson's *The Later Court Hands of England*. Its design remained uniform for several centuries, and in the writing books of the calligraphers of the seventeenth century there are a number of fine specimens of the script,<sup>1</sup> an upright hand which appears to be confined to England. Since stereotyped legal phrases are of frequent occurrence in legal documents, the cutting of type with which to print such passages was an obvious convenience, and the type was cut, but does not seem to have been much used. At least, such legal forms of the seventeenth and early eighteenth century in court hand as I have been able to see are either written or printed from plates; for example, writs and subpœnas. The type is only known to me from the James Sale Catalogue, where two sizes are displayed, double pica and english. These are known to have been in the earlier Grover foundry, and the matrices of the english size were still in existence in Reed's day, and perhaps still survive. The use of the court hand for legal documents was abolished in 1753, and its place taken by the script known as Engrossing. In typography, our last English gothic script, was a fine specimen of Engrossing cut by Thomas Cottrell about 1765 for a law printer, William Richardson, who issued an undated broadside specimen of the "New Printing Type in Imitation of the Law Hand." Cottrell showed it in his specimen book issued about 1766. The type was, like the con-

<sup>1</sup> Cf. pl. lxxvii in Mr. Heal's *English Writing Masters*.

temporary French Ronde and German Kanzleischrift, somewhat romanised ; for example, many of the capitals and the lower-case h and r have the roman forms. The secretary types and the court hand are difficult to read for those not versed in sixteenth- and seventeenth-century documents. But Cottrell's script is more legible for us, although a legal hand.

### LATIN SCRIPTS

The Latin scripts, that is those based on the Italian hand, are curiously late in typographical history, and in fact are comparatively rare before the eighteenth century. In the seventeenth century we can record only the types of Pierre Moreau and one English specimen. In his article on script types in No. 4 of *The Fleuron*, Mr. Morison derives the Latin scripts from that variety of the Italian hand known as the Cancelleresca Bastarda. This is a rather less formal and more rounded script than that practised by Vicentino. The Venetian writing master, Amphiareo Vespasiano, claimed to have been its inventor.

Pierre Moreau was a professional calligrapher in Paris who took to producing engraved books and finally books printed from script types. As in the case of civilités and other early gothic scripts, Moreau's types also were intended for book work. Between 1643 and 1648 he printed at least 11 books in these types, of which the earliest was an edition of *L'Imitation de Jesus Christ*, and perhaps the best known, an edition of Vergil's *Aeneid* in French (cf. fig. 57). These books were set in four sizes of his "bâtarde italienne." The extract from the Royal Privilege granted to Moreau for the printing of the Virgil, reproduced in Mr. Morison's article, reveals the fact that Moreau had another script of a different style, an upright script descended from civilité, based



# *Jesus mourant.*

*Poëme dedië  
à la Reyne  
Regente.*

*Quatriesme edition,  
Reueuë par l'Autheur en 1647.*



*A Paris :*

*De l'Imprimerie inuentée par P. Mo-  
reau M<sup>e</sup> Escriuain Juré à Paris, &  
Imprimeur ordinaire du Roy,  
deuant l'Horloge du Palais.*

*1647.*

*Auue Privilege de Sa Majesté.*

*Fig. 57. Moreau's Script.*



on the hand known as Ronde. P. S. Fournier's account of Moreau's scripts in the *Manuel Typographique* is somewhat confusing; he describes them as ronde, bâtarde brisée, and bâtarde; the bâtarde brisée seems to be missing, unless it is one size of the bâtarde.

Moreau's types came into the possession of the Paris printer, Denys Thierry, and a fine example of their use by that printer is preserved in the Bagford collection in the British Museum, a prospectus of an edition of L. Moreri's *Grand Dictionnaire historique*. Later the types passed to the Collombats, father and son (Mr. Morison records two books), then to J. T. Hérissant, whose widow finally sold them in 1787 to the Imprimerie Royale. Apart from their appearance in specimen books issued by the Imprimerie, the types made their last appearance on the paper money, the Assignats, of 1792, a use more in accordance with modern practice as to scripts.

Moreau's books, or some of them, are fairly well known, but the English example of a seventeenth century Latin script is much more of a rarity. Mr. Morison reproduced a page from *Articles and Rules for the Conduct of His Majesty's Army*, published by Moses Pitt in 1673 and preserved in the Record Office. Another smaller sheet reproduced by Mr. Morison dates from 1672. A third use of the type is found in *Instructions for the better ordering of His Majesty's Fleet* issued by James, Duke of York as Lord High Admiral, c. 1680, 14 folio pages without imprint. The type appears to have been in the hands of the King's printer, but whence it came and where it went is unrecorded. It is a remarkably fine example of an Italian script, and it would be surprising to learn that any contemporary English type-cutter could rise to such heights.

We come now to the "Cursorials" of the Grover

(afterwards James) foundry, dating from about 1700. An account of them is given by Rowe Mores in his *Dissertation*, by Reed, and in Mr. Morison's *Ichabod Dawks*. Mores says the "cursorial is a flimsy type imitating a pseudo Italian handwriting, and fitted for ladies and beaux." They are in fact based on an inferior Italian hand, showing some gothic survivals. The Grover foundry possessed six sizes, double pica, great primer, english No. 1, english No. 2, pica and long primer. Of these all but the great primer are still extant in the foundry of Messrs. Stephenson, Blake & Co., of Sheffield. They descended to the present owners from Rowe Mores through the Fry foundry and the Fann Street foundry (the Reeds). Ichabod Dawks began to print his newsletter in the english No. 2 in 1696. Dawks used also the double pica, and it seems probable that these first cursorials were cut at the instigation of Dawks and for the purpose of reproducing more or less in facsimile the manuscript newsletter which was handed about in the coffee houses. Two examples of the use of these scripts may be added to those mentioned by Mr. Morison. The printer, H. Meere, whose specimen sheet (c. 1710) shows the smallest size of the cursorials, inserted in *The Observer* of February 7, 1708, a notice of "Scriptographia," which he described as suitable for blank forms. The notice is printed in the pica of the Grover series. The second example is a single sheet poem entitled *Fair Warning*, printed in 1710 by John Baker, set in the double pica size. The word "Scriptographia" in Meere's notice is set in the Union Pearl of the Grover foundry, and this shaded script is possibly the seventh cursorial referred to by Mores. This type also has survived, but except for the one word in *The Observer* I have found no example of its contemporary use. The whole series, in design inferior

to Moreau or the English script of 1672, is of considerable interest as a typographical curiosity.<sup>1</sup>

When we reach the generation of Fournier and Luce, Fleischmann and Rosart, the Latin scripts of the continental countries appear in great numbers, far too many to be followed in any detail here. Reproductions will be found in Updike, in Mr. Morison's article, and also in an article by Mr. McMurtrie in *Ars Typographica*, vol. 2, no. 2. The names of these various scripts become somewhat confusing. There are three groups among the Latin scripts, the *ronde*, a descendant of *civilité* which is largely gothic, the *bâtarde coulée*, also called *financière* because used in the Ministry of Finance, and the *bâtarde ordinaire* or *italienne*, the purest form of Latin script. Fournier uses the word *bâtarde* alone instead of *bâtarde italienne*. The *financière*, originally a more cursive variety of the *bâtarde*, in the course of time became indistinguishable from it. The three hands, now to all intents and purposes only two, are still shown in the 1819 specimen of the *Imprimerie Royale*, and the *ronde* is frequently found as a decorative type in French books of the first half of the nineteenth century. Even German type-cutters were influenced by this flood of scripts and Latin scripts began to appear in Teutonic specimens, for instance in that of J. H. Prentzler of Frankfurt, 1774 (reproduced in McMurtrie). That prolific type-designer, G. B. Bodoni, of Parma, naturally copied the French and produced a score of scripts, of no great merit and with bewildering titles. The types which he calls *Cancellesca* appear to be little removed from italics, and

<sup>1</sup> Two sizes of the Grover Cursorials and the Union Pearl are shown on the Specimen Sheet of Benjamin Franklin Bache, Philadelphia, which was reproduced in facsimile by Mr. McMurtrie in 1925.

## The Tale of the Blind.

*Turloch lived at Lubar of streams. In deeds of fame his hair grew white. Strangers knew the way to his hall: In the broad path there grew no mountain grass. No door had he to his gate. 'Why' he said should the wanderer see it shut?—Turloch was tall as the oak of his vale. On either side, a fair branch lifted its green growing head. Two green trees smiling in the shower, and looking thro' rainbows on*

Fig. 58. Caslon's Script.



when he describes them as something new in typography his meaning is obscure. To his *ronde* he gives the title *Inglese*, which supports Mr. Morison's assertion that Bodoni knew little about the history of handwriting.

In England, after the cutting of the Grover cursors, there is a long gap in the history of scripts. Neither William Caslon I, nor his son, nor Baskerville designed anything in this class. Thomas Cottrell, a pupil of Caslon's, whose own foundry was established in 1757, began a new vogue with a script which dated from 1774 (see the reproduction in McMurtrie).<sup>1</sup> He was influenced partly by the French, but introduced an innovation which was in turn copied by the continental founders. Cottrell attempted to produce the illusion of actual script by fitting his letters with exactness. This excess of ingenuity was particularly associated with the English founders, and the type was called "*Anglaise*" by its imitators in France, the Didots and others. In England all the other founders soon had their new scripts in the style of Cottrell; it is possible that one of them even preceded him with the script which was cut for Dr. John Trusler. According to Timperley, Dr. Trusler began his project for printing his sermons in imitation of manuscript as early as 1771.<sup>2</sup> All these types, Cottrell's, Trusler's and that of Caslon, which appeared in 1785 (see fig. 58), still had considerable traces of the true Italian hand. But after a few years these scripts became "*modern*" by a greater differentiation of the thick and thin strokes and increased ingenuity in imitating a current round hand. Then we get the typical *Anglaise*, admired and copied by the Didots, the

<sup>1</sup> See also a reproduction in Berry and Johnson's *English Type Specimen Books*.

<sup>2</sup> See Mr. Morison's account of Trusler and his type in *The Fleuron* No. 7.

script of the nineteenth century. The types of the Cottrell and Trusler class were the last good scripts until we reach the work of the present generation; they perished at the same time as italic, with the introduction of the modern face.

## Chapter 8

### EARLY ADVERTISING TYPES: FAT FACES AND EGYPTIANS

ADVERTISING types, as distinct from book types, are little more than a century old. The decorated and outline letters of the eighteenth century, popularised by the Paris founder, P. S. Fournier, were intended in the first place for display on title-pages, but in the early years of the nineteenth century English founders designed several types which, however they might be used, were intended for poster work. The earliest of these were the fat faces and Egyptians, both probably due to Robert Thorne, the man who led the way in introducing the modern face into this country.

There are three sources in which one can trace the history of these early display letters; there is first of all the evidence of contemporary writers on typography, secondly the specimen books of the founders, and thirdly, documents in which the types were actually used. The contemporary writers were naturally at that period not greatly interested in advertising or its typography. They have little to say on the subject and that little generally contemptuous. Hansard, in his *Typographia*, 1825, shows them as "typographical monstrosities," and in another passage writes of the "folly of fat-faced preposterous disproportions."

He does, however, give us some definite information where he says that "the extremely bold and fat letter,

now prevalent in job printing, owes its introduction principally to Mr. Thorne." Savage also, in his *Practical Hints on Decorative Printing*, 1822, says that the fat faces which had entirely changed the appearance of posters were first designed by Robert Thorne. Our second source, the founders' specimens, fails us in the matter of the fat faces, as Thorne himself issued no book of specimens after 1803, and the first display of his jobbing types is in the specimen of his successor, William Thorowgood, published in 1820. Vincent Figgins's specimen of 1813 and Fry's of 1815 both show the design, but from our third source we know that it had already been in use for several years before 1813. In the early years of the nineteenth century, the state lotteries were highly popular, and the bills issued by the various contractors who organised the sale of tickets are interesting documents for the history of jobbing types. From the year 1806 onwards, especially on the bills of one of the chief contractors, T. Bish, fat faces are generally used. Again the posters of Drury Lane Theatre adopted the new letter from the year 1807. Whatever the intentions of the original founder, the smaller sizes of the fat faces soon came into use for display in books; examples may be found on the title-page of the *Scot's Magazine* for 1809, and in the *Annual Register* for 1808, issued in 1810. The publishers of the more sensational books, such as reports of murder trials or political trials, as might be expected, found these exaggerated letters suited to their purpose. The political satires and controversial tracts of the bookseller, William Hone, offer many examples of their use.

The fat face was simply Thorne's modern face with the thick strokes swollen out, the thin strokes remaining hair-lines. The thin, flat serifs, the monotonously uniform width of capitals, the vertical stress, and other



characteristics of the modern face are repeated. Under this process of fattening, some of the letters became remarkably overweighted, for instance both the capital and the lower-case G. In spite of this and notwithstanding the strictures of connoisseurs like Hansard, the type had its uses in display, even in books. The Lee Priory Press, founded in 1813, with the support of Sir Samuel Egerton Brydges, with John Johnson as typographer, was in the forefront of fashion. Its types were all modern, and the use of small sizes of fat faces in headings convinces one that the design was not so preposterous as Hansard asserted. It was taken up by Continental founders, and the Imprimerie Royale in Paris even took the—for them—unprecedented step of commissioning Thorne, a foreigner, in 1818, to cut some fat faces for their use as a new form of display type.

The reason for the adoption of the name *Egyptian* for a particular style of letter is hard to discover. Mr. Updike's reference to Egyptian "darkness" hardly carries conviction. It may be that the heavy squareness of the design in some way reminded the inventor of the style of Egyptian architecture. At any rate, it is clear that he chose a name which was at the time of frequent occurrence in the public press. We may compare the origin of the names *Locarno* and *Zeppelin* as applied to two types designed by Professor Koch. There was a considerable revival of the study of Egyptian antiquities in the early years of the nineteenth century, arising out of Napoleon's expedition to Egypt. Archæologists accompanied the First Consul to the East, and, as a result of their work, the early history of Egypt began to be better known in Western Europe. The Rosetta Stone, which provided the clue to the reading of Egyptian hieroglyphics, was brought to London in 1802, and for some years afterwards, not only the learned periodi-

cals, but also the more popular journals, such as the *Gentleman's Magazine*, included much comment on Egyptian archæology.

No contemporary writer explicitly states that the type known as Egyptian was originally designed by Robert Thorne, but the name first occurs in connection with his foundry. From the catalogue of the sale of the Thorne foundry, which took place in June, 1820, it appears that among the matrices were six sets of Egyptians, 2-line great primer to brevier. In the specimen issued by Thorowgood in 1820, already mentioned, these Egyptians are displayed. But already, as early as 1815, in a specimen of Vincent Figgins there had appeared three sizes of *Antique*, upper-case only, and in 1820 other founders had shown the letter, so that Thorne's priority is not beyond dispute. In the latter year, Edmund Fry's firm and Blake, Garnett & Co., of Sheffield, who had recently bought the foundry of William Caslon IV, both copied the design under the name of *Antique*. At least the probability is that Egyptian was the original name, and antique the copy. In the following year, the original Caslon firm produced their version, also under the name *Antique*. In 1823, we find an *Antique* in the specimen of Wilson of Glasgow, while in 1825, Bower, Bacon & Co. ventured to use the original name, *Egyptian*. In an article in the *Archiv für Buchgewerbe* (Hft. 4, 1931), by Dr. H. Bockwitz, on Egyptians and grotesques, there will be found a list of some Continental specimens which display the design, the earliest being that by Andreæ of Frankfurt, of 1830.

Mr. Uppike quotes a remark from a book of 1806 referring to the lettering of "fashionable Egyptian sign-boards." Whether this lettering had the characteristics of the founder's design does not appear. At least we can be confident that there was no Egyptian type in

existence in 1806. Is it possible that the fat faces were originally so described? The bills of the lottery contractors are again a useful guide to the earliest appearance of the type; it was in regular use in the year 1817. There is one sheet referring to a draw to take place on January 21, 1817, which bears the imprint of one Thorowgood of Wood Street, Cheapside. This was a brother of William Thorowgood, and oddly enough, William is said to have purchased Thorne's foundry with the prize money of a lottery ticket. From the Thorowgood sheet it follows that the type must have been on the market by 1816. William Hone was using the type in 1819, and in 1820 it is found frequently on sheets relating to the trial of Queen Caroline. From March, 1821, it occurs on the play-bills of Drury Lane Theatre, and from that year onwards is not uncommonly used as a heading type in ordinary books.

The chief characteristics of Egyptian are the monotone, or almost monotone colour, and the horizontal square or slab serifs, which are almost equal in thickness to the main strokes. These characteristics, of course, result in a heavy black letter. The descenders, as one would expect in a type of the kind intended for display work, are very short. As the traditional Egyptians were designed by the men who had recently abandoned their old-face types in favour of the modern face, the new display type had naturally a number of features in common with the modern face. The upper-case in particular had that monotonous uniformity of width which is found in all modern faces. Of individual letters, the G, the short-ranging J, and the R with a curved tail conform to the same standard. In the lower-case, the e is the best example of the prevailing fashion. We have noted that the colour is not entirely monotone, and in this letter the stress is definitely verti-



cal ; the large eye of the e and the height of the t are further points. There have been other versions of the Egyptian under different names and various types derived from the same source. That freak type called *Italian*, and later *French Antique*, first displayed by the Caslons in 1821, seems to be inspired by the Egyptian. In this "monstrosity" to use Hansard's word, the serifs have become thicker than the main strokes ; the design, so to speak, stands on its head. *Ionic* in some cases appears to be only another name for Egyptian.

### SANS SERIFS

The third group of display types which was produced by the same generation of printers is that of the Sans Serifs. Although this group apparently did not come into use until the 1830's, it made, at any rate, one appearance in a specimen book of about 1816, that of William Caslon IV. In that book there is one line set in sans serif capitals, Two Line English in size. It seems then that the sans serifs also competed for the name Egyptian. The name was finally allocated to another style, and the type itself seems to have been an unsuccessful experiment on the part of Caslon, and we hear nothing more of it until 1832. In that year Vincent Figgins displayed it under the name sans serif and William Thorowgood, successor to Thorne, under the name grotesque. Thorowgood's specimen book of 1832 was a supplement and as Figgins displayed more sizes of the type, it seems probable that he was the originator of this revival. In 1833 Blake and Stephenson of Sheffield showed the design as sans-surryphs, and in 1834 the Caslon firm followed with their version. Thorowgood's name grotesque seems hardly suitable, though not so absurd as the name gothic, given to it by the American and by some English founders. The



name is presumably due to the fact that the early types in this style were heavy, black letters, which by their colour recalled the early gothic or black-letter types. Figgin's name at least describes one of the two main characteristics of the design, the absence of serifs. The other characteristic is the monotone colour, and equal weight of all strokes. The sans serif is in fact an Egyptian with the serifs knocked off, and it is probable that that was the manner of its creation.

The early sans serif founts consisted of an upper-case only, and all these capitals were of uniform width. Given the period in which it was first designed it was inevitable that, like the fat faces and Egyptians, the sans serifs should share that characteristic feature of the modern-face roman. This peculiarity in conjunction with the monotone face resulted in some of the letters being heavily overweighted, for instance the G's and M's. The earliest founts were all of heavy weight, and it was some years before lighter faces were cut. The Caslon design called Doric, was shown in a number of weights in their specimen book of 1857, but with no modification of the original forms. The addition of a lower-case was of even later date, apparently not before the seventies in this country, although a German firm, Schelter & Giesecke, had displayed a lower-case in 1850.

These three display types, the fat faces, the Egyptians, or antiques, and the sans serifs, remained unchanged throughout the nineteenth century. The present-day revival of the three groups is an indication that there was something good in them. The manner in which they have been modified is in accordance with the change in our general typography; the letters have been made to conform to earlier and better designs, and the bad features derived from the modern-face roman have been eliminated.

As to the other display types of the nineteenth century they certainly deserve Hansard's description of monstrosities. The ornamented three-dimensional letters such as appear in the Caslon specimen books of the mid-nineteenth century were doubtless cut in all seriousness, but are surely quite the worst letters ever shown in any founder's specimen.

## Chapter 9

### TYPE SPECIMENS

THE importance of type specimens for the study of typographical history is self-evident. In the pages of this book we have described several cases in which the discovery of hitherto unknown specimens has thrown a flood of light on the origin of particular designs. This source, of course, is almost entirely lacking for the early days of printing. Even when the type-founders were well-established as a separate trade and had formed the habit of issuing sheets or books displaying their types, such specimens have often not survived down to our day. They were regarded as of temporary use and not as historical documents. It is only in comparatively recent years that attempts have been made to gather these documents together. In England the pioneers were William Blades and T. B. Reed. Charles Enschedé has made a good beginning for the Dutch founders, whilst Gustav Mori, Friedrich Bauer and Marius Audin have collected much material relating to German and French founders.<sup>1</sup>

For the fifteenth century we have only one type specimen sheet, if we exclude the advertisement of Peter Schöffer of Mainz on which he gives a specimen of the Psalter type; the words "Hic est littera Psalteri" being set therein. Erhard Ratdolt's sheet, which like most of

<sup>1</sup> For a general list of Type Specimen Books and Sheets to 1830 see Peddie's *Subject Index of Books before 1880*, 1933.



the earlier specimens, has survived in one copy only, shows ten sizes of Rotunda, three of roman, and one Greek. The sheet is dated from Augsburg, 1486, and was issued by Ratdolt on his return from Venice to his native city, no doubt for the convenience of possible customers for his press. He would not be selling type at that date to other printers. The next surviving sheet, also a unique copy, is that of Johann Petri of Nuremberg, 1525, displaying three romans, two italics, a Greek, a Hebrew and two Frakturs. That these types were actually cut by Petri and were not merely his stock is inferred from what his brother-in-law, Johann Neudörffer, has to say of him in his *Nachrichten*. Neudörffer says that he was competent to make any instrument pertaining to printing. Petri again was a printer and to what extent he was a founder working for other printers has not been worked out. At any rate Friedrich Pepyus of Nuremberg used some of his types. Of the next German type sheet, that of Valentin Geyssler, also of Nuremberg, 1561, I know nothing beyond its mention in the lists. It has not, I believe, been reproduced. Christopher Plantin's *Index characterum* of 1567 is the first specimen *book*, and a very important one. It is again a printer's specimen, but from the documents preserved in the Antwerp Museum we can arrive at some conclusions concerning the men who cut his types. The specimens of Guillaume Le Bé reproduced by Henri Omont are really only proofs, not intended for publication, but the next sheet, that of the Egenolff-Berners Foundry, Frankfurt, 1592, is one of the landmarks in typographic history. It is not only the first undoubted specimen of a foundry, but has the further importance that the names of the designers of the types shown are appended to their designs. This sheet has already been referred to many times in these pages.



With the seventeenth century specimen *books* begin to be more frequent. The Frankfurt house, however, continued to issue large broadsides and the other firms which set up in Frankfurt in competition followed their lead. Sheets issued by J. P. Fievet, Reinhard Voskens and his successor, J. A. Schmid, and in the next century J. H. Stubenvoll, C. A. Rolloux, J. F. Halle and J. H. Schippel, are known. Herr Gustav Mori has planned a book of reproductions of these Frankfurt sheets, which should be most helpful for the general history of types used in Northern Europe and should also show how far the minor foundries were really independent concerns and to what extent they were dependent on the bigger houses. It will probably prove that many of the types displayed by the smaller Frankfurt firms were in fact the same as those of the Luther firm. These smaller men were often merely casters and not cutters of types.

Three early seventeenth century books of type specimens are known. The first is that of G. L. Fuhrmann of Nuremberg, 1616. Here again by no means all the types shown were cut by Fuhrmann; some of the romans appear to be Garamonds and most of the italics Granjon's. For instance we see the "Cicero currens" of the Egenolff sheet, 1592, which we have found to be in the stock of Plantin and also to be one of the Fell types. The second book is that of Jean Jannon of Sedan, 1622, the importance of which has already been considered; the third is the first specimen of the Stamperia Vaticana, Rome, 1628, a book fully described by Mr. Updike. After this book of 1628, there is a long gap in Italian specimens, apparently nothing more until we reach the generation of Bodoni. This century is, of course, the great age of the Dutch founders, chief of whom were Christoffel van Dijk and the Voskens. The Van Dijk specimen and the printer's specimens of the

Elzeviers have been the subject of a special study by Charles Enschedé. Reproductions of other Dutch sheets of the period would be helpful, particularly in connection with English printing. We know that about 1700 there was much Dutch type in England. When does this Dutch importation begin and from what foundries? Probably not until after the Commonwealth. A reproduction of the sheet of Jan van Hout, Leyden, 1593, parts of which are shown in Charles Enschedé's book, would be of great interest.

In the eighteenth century there is no lack of material, especially in the Low Countries and France, in the generation of Fleischmann and Rosart, of Luce and Fournier, and a little later of Bodoni in Italy. In this century in France the type specimen book reached its zenith; we have book after book of great beauty, while P. S. Fournier's *Modèles de Caractères*, 1742, is surely the most beautiful work of its class ever produced. Again we find a number of minor founders who apparently did not cut their own types, or only some of them. It would be interesting to trace how many of Fournier's types are shown in the books issued by Louis Vernange, of Lyons, c. 1770, of J. L. Joannis, Paris, 1776, of H. Vaussy, Rouen, 1783, and of Perrenot of Avignon, 1784. German eighteenth century types are displayed in three books on printing in general, in Paulus Pater's *De Germaniæ miraculo optimo, maximo, typis litterarum disertatio*, 1710, in Ernesti's *Die woleingerichtete Buchdruckerey*, 1723, and in C. F. Gessner's *Buchdruckerkunst und Schriftgiesserey*, 1740. These books are typical of the state of German printing at the time, and are all immeasurably below the French standard.

The series of specimens in England begins later than in other countries and at a low level. In one of the Humphry Dyson volumes of proclamations, made up

in 1610, now in the Folger Shakespeare Library, Washington, there is bound in a specimen sheet bearing manuscript notes of an English printer. The sheet is set up partly in French, is very well printed, distinctly above the English standard of the day, while the notes give the prices of the types in "guldens." It would seem to be then a proof sent by a Netherlands founder to his English customer and not to be an English specimen. The earliest known English specimen, that of an unknown English printer dating from about 1650, is preserved at the Oxford University Press. It bears no name, shows three sizes of roman and one italic, types all in common use in England, although of foreign origin. In the margins the sizes are written in in manuscript in the hand of Gerard Langbaine, who died in 1658. This specimen is reproduced in Berry and Johnson. It is typographically a poor affair, no better than the 1665 sheet of Nicholas Nicholls, preserved in the Record Office, or the only surviving copy of Moxon's specimen, 1669, in the British Museum. Of the other English founders of the seventeenth century we have nothing. However, in the Bagford and Ames collections in the British Museum, there are one or two unsigned sheets which probably were issued by the Andrews or Grovers. One, at any rate, is assigned to the Grovers in a note written by Joseph Ames. The Oxford Press specimens begin in 1693, but they of course display foreign types, with a few possible exceptions, as do the specimens of the two Edinburgh printers, James Moncur, 1710, and James Watson, 1713. The most valuable record we have of the earlier English founders is of much later date, namely the Sale Catalogue of the James Foundry, 1782. Again only one copy has survived and unfortunately very little of each type is shown. Among these types are some of considerable antiquity which



have already been referred to in this book ; blacks, some probably of the sixteenth century, the great primer secretary used by Sir Walter Raleigh, the cursorials from the Grover foundry, and the Alexandrian Greek, a type dating from c. 1643 based on the earliest Greek Biblical manuscripts.

The first well-printed display of English types is the 1734 sheet of William Caslon. There are many copies known of this famous sheet bearing the date 1734, but only two of the real first edition, with the address Ironmonger Row, one in the British Museum and one in the library of the American Typefounders. The other editions, still dated 1734, but bearing the address Chiswell Street, appeared in Chambers' *Cyclopædia* of 1738 and subsequent editions. Meanwhile Caslon himself had published other sheets, one in 1742, on which William Caslon II's name occurs for the first time, another in 1748 and a third in 1749. The increasing interest in the collecting of specimens is illustrated by the recent history of these sheets of 1742 and 1748. Reed, writing in 1887, referred to them as lost sheets. Mr. Uppike sent a communication to *The Fleuron* No. 1, describing a newly discovered copy of the 1748 sheet. It now appears that there is also a copy of this "lost" specimen in the Bodleian, and that of the 1742 sheet at least four copies are known. It was William Caslon who first began the practice of setting the text of his specimens in that notorious passage from Cicero's Catiline Orations which begins: "Quousque tandem. . . ." It is unfortunate that other English founders thought fit to copy him here, because the particular passage is ill chosen from the point of view of the number of letters occurring. There is, for example, no lower-case g in the first few lines, so that g is never shown in the larger sizes.



In 1763 Caslon published his first specimen *book*, and from that date the Chiswell Street books have appeared at fairly regular intervals. In them we can trace the history of English typography in some detail. In 1785 we find William Caslon III's modern script, new developments of flowers copied from P. S. Fournier, and again of cast ornaments. Towards the end of the century we find the Baskerville imitations and in 1805 the earliest modern faces of the Caslon firm. A little later we meet the new advertising types, fat faces, Egyptians or antiques, and finally sans serifs.

William Caslon was not the only type-cutter of his generation. To-day John Baskerville's letter is rated at least as high. His specimen sheets, five in number, form an interesting and handsome group. The earliest, issued in 1754, is really a prospectus of his first book, the *Virgil*; the second of 1757 shows four sizes of his roman and italic, the third and fourth still more sizes, and the fifth, issued about the time of Baskerville's death in 1775, is a complete display of his work. Of this there is another issue bearing the date 1777, and further there are at least two French specimens of his types, published after the main part of his stock had been sold to Beaumarchais.

In the second half of the century the number of founders and specimens begins to increase, and many of them show the influence of Baskerville in their typography; for instance, those of Alexander Wilson, whose earliest specimen appeared in 1772, and the rare and attractive broadsides of Isaac Moore (Bristol, 1766, London, 1768 and 1770). Another contemporary, Thomas Cottrell, an old apprentice of Caslon, was the first founder to cast large poster letters, up to 12 lines pica, and the broadsides on which they are displayed are another rarity, only one copy of each, preserved at

Stockholm, being known. To this generation belongs also the first specimens of an Irish founder, that of Stephen Parker of Dublin, 1769. The first two specimens of John Bell's British Letter Foundry, 1788 and 1789, are also known from a single copy only, in the Bibliothèque Nationale. Richard Austin, punch-cutter for John Bell, afterwards had his own foundry in Worship Street, and the first specimen which he issued, in 1819, was unknown to Reed, who refers to a later edition of 1827. In the Victorian age the founders' specimens still have their value as documents in the history of typography, but have quite lost the attractive appearance of their predecessors in the eighteenth century.

## LIST OF AUTHORITIES

THIS list is strictly confined to the subject of the book, namely the history of type designs. Books on the invention are not included, and only such histories of printing as have something of importance to say on typography. I have not included type specimens, although they are of course valuable sources for this study, except some which contain prefaces of importance. On the other hand I have included the chief catalogues of type specimens. It is hoped that the list will be useful as a select bibliography of the subject.

AMES, JOSEPH. *Typographical Antiquities*. Edited by W. Herbert. T. Payne, London, 1785-90. 4to. 3 vol.

ARNEUDO, G. I. *Dizionario esegetico, tecnico e storico per le arti grafiche*. Turin, 1917-24. 8vo. 3 vol. pp. xvi, 2,162.

AUDIN, MARIUS. *Impressions de Louis Perrin*. M. Audin, Lyons, 1923. 4to. pp. 200-43.

———. *Le Livre. Son architecture, sa technique*. Lyons, 1924. 8vo. pp. xiii, 280.

AUSTIN, RICHARD. *Specimen of Printing Types cast at Austin's Imperial Foundry*. London, 1819. 8vo.

With an important preface by Austin on the subject of the modern face.

BASCHET, A. *Aldo Manuzio. Lettres et documents*. Paris, 1867. 8vo. pp. viii, 103.



BAUDRIER, H. *Bibliographie Lyonnaise. Recherches sur les imprimeurs, libraires, relieurs et fondeurs de lettres de Lyon au XVI<sup>e</sup> siècle.* Lyons, 1895-1921. 8vo. 12 vol.

BAUER, FRIEDRICH. *Chronik der Schriftgiessereien in Deutschland und den deutschsprachigen Nachbarländern.* Zweite Auflage. Offenbach a. M., 1928. 8vo. pp. xvi, 305.

The most complete account of German founders and their specimens.

BERNARD, AUGUSTE. *Geofroy Tory, peintre et graveur, premier imprimeur royal.* Deuxième édition. Paris, 1865. 8vo. pp. viii, 410.

——— *L'Histoire de l'Imprimerie Royale du Louvre.* Paris, 1867. 8vo. pp. xii, 311.

BERRY, W. TURNER, and JOHNSON, A. F. *Catalogue of Specimens of Printing Types by English and Scottish Printers and Founders, 1650-1830.* Oxford University Press, 1934. 8vo.

BIEDERMANN, L. W. VON. *Die deutsche Schriftgiesserei. Eine gewerbliche Bibliographie.* Bearbeitet von L. v. Biedermann. Herausgegeben von Oscar Jolles. Berlin, 1923. 8vo. pp. 271.

A valuable bibliography; deals with the history and technique of type-founding and ends with a list of German Type Specimen Books.

BIGMORE, E. C., and WYMAN, C. W. H. *A Bibliography of Printing.* With illustrations. B. Quaritch, London, 1880-86. 4to. 3 vol.

Still the best bibliography of the subject. The notes are in many cases of considerable length and importance. Many of them were contributed by William Blades, the biographer of Caxton.

BIRRELL and GARNETT. *Catalogue of (I) Typefounders' Specimens; (II) Books printed in types of historic*



importance; (III) Works on Typefounding, Printing and Bibliography. London, 1928. 4to. pp. vii, 105.

BODONI, G. B. *Manuale Tipografico*. Parma, 1818. 4to. 2 vol.

The preface contains Bodoni's remarks on type design. A translation of the preface by H. V. Marrot was published in London in 1925.

BRITISH MUSEUM. Catalogue of books printed in the Fifteenth Century now in the British Museum. London, 1908, etc. Fol.

Seven volumes have so far appeared, dealing with Germany and Italy.

— — — A Guide to the Exhibition in the King's Library illustrating the History of Printing. London, 1913. 8vo. pp. 100.

CARTER, T. F. *The Invention of Printing in China and its spread westwards*. Revised edition. New York, 1931. 8vo. pp. xxvi, 282.

A shorter account of the Chinese invention appeared in *Ars Typographica*, vol. II, no. 1. July, 1925.

CASLON, H. W. & Co. *Two Centuries of Type-Founding*. See McRae.

CHRISTIAN, A. *Débuts de l'Imprimerie en France*. L'Imprimerie Nationale. Paris, 1905. 4to. pp. xxiv, 343.

Each chapter is set in a different type, so that the book is also a specimen book of the Imprimerie Nationale. One chapter deals with Jaugeon and the "Romain du Roi."

CLAUDIN, A. *Histoire de l'Imprimerie en France au XV<sup>e</sup> siècle*. Paris, 1904-14. Fol. 4 tom.

COYECQUE, E. *Recueil d'actes notariés relatifs à l'histoire de Paris au XVI<sup>e</sup> siècle*. Paris, 1905, 24. Fol. 2 vol.

- COYECQUE, E. Inventaire de la Collection Anisson sur l'histoire de l'imprimerie. Bibliothèque Nationale, Paris, 1900. 8vo. 2 tom.
- CROUS, E. Die erste Probe Didotscher Lettern aus der Schriftgiesserei J. C. L. Prillwitz zu Jena. Berlin, 1926, 4to. pp. 18.
- — and KIRCHNER, J. Die gotischen Schriftarten. Leipzig, 1928. Fol. pp. 46. pl. 64.
- DELISLE, L. Recherches sur la librairie de Charles V. Paris, 1907. 8vo. 2 pt.
- DE VINNE, THEODORE. Historic Printing Types. A lecture. Grolier Club, New York, 1886. 4to. pp. 110.
- — The Practise of Typography. New York, 1900-04. 8vo. 4 vol.
- DIDOT, A. F. Essai sur la typographie. Extrait de l'Encyclopédie moderne. Paris, 1852. 8vo.
- DIDOT, PIERRE. L'Épître sur les progrès de l'Imprimerie. Paris, 1784. 8vo. pp. 20.
- A poem. The notes are of considerable interest.
- DIX, E. R. M. The Earliest Printing in Dublin in the Irish, Latin, Greek . . . Languages. Dublin, 1910. 8vo.
- DUERER, ALBRECHT. Underweyssung der Messung, mit dem zirckel und richtscheyt, in Linien. Mit zugehörigen figuren. Nuremberg, 1525. Fol.
- A translation of the part relating to letters was published by the Grolier Club in 1917 under the title "Of the Just Shaping of Letters."
- DUFF, E. GORDON. Fifteenth Century English Books. Bibliographical Society Monographs, No. 18, 1917. Fol. pp. ix, 36. pl. 53.
- Shows all English types of the fifteenth century.

DZIATZKO, C. Der Drucker mit dem bizarren R. Berlin, 1904. 8vo. Hft 17 of the Sammlung bibliothekswissenschaftlicher Arbeiten.

ENSCHEDÉ, CHARLES. Die Druckerei der Elsevier und ihre Beziehung zu der Luterschen Schriftgiesserei. (Die hochdeutschen Schriften von J. Enschedé en Zonen. Haarlem, 1919.)

—— Fonderies de caractères et leur matériel dans les Pays-Bas du XV<sup>e</sup> au XIX<sup>e</sup> siècle. Haarlem, 1908. Fol. pp. xxxiv, 404.

FAULMANN, C. Illustrierte Geschichte der Buchdrucker-kunst. Vienna, 1881-82. 8vo. pp. viii, 806.

FOURNIER, P. S. Manuel Typographique. Paris, 1764-66. 12mo. 2 tom.

Tom. 1 is a technical account of typefounding ; tom. 2 is a type-specimen book, and includes an historical summary of all the foundries. An English version of tom. 1 by H. Carter was published in 1930.

FRITZ, GEORG. Geschichte der Wiener Schriftgiessereien. H. Berthold, Vienna, 1924. 4to. pp. 131.

FUMAGALLI, G. Lexicon typographicum Italiæ. Dictionnaire géographique de l'Italie pour servir à l'histoire de l'imprimerie dans ce pays. Florence, 1905. 8vo. pp. xlvii, 587.

A mine of information on all branches of the printing trade in Italy.

HAEBLER, CONRAD. Die italienischen Fragmente vom Leiden Christi das älteste Druckwerk Italiens. Rosenthal, Munich, 1927. 4to. pp. 39. pl. 8.

—— Typenrepertorium der Wiegendrucke, Berlin, 1905-24. 8vo. 6 pt.

HANSARD, T. C. Typographia. London, 1825. 8vo. pp. 924.



HART, HORACE. Notes on a Century of Typography at the University Press, Oxford. Oxford, 1900. Fol.

Shows all the "Fell" types and prints letters from Thomas Marshall as to purchases in Holland.

HESSEL, ALFRED. Von der Schrift zum Druck. (Zeitschrift des Deutschen Vereins für Buchwesen, 1923, p. 89 *seq.*)

Deals with the nomenclature of gothic hands.

ISAAC, F. English and Scottish Printing Types, 1503-58. Bibliographical Society, Facsimiles and Illustrations, Nos. II and III. 1930-32. 4to. 2 vol.

A complete presentation of all types used in England and Scotland down to the end of Mary's reign.

— — Elizabethan Roman and Italic Types. (Trans. of the Bibl. Soc. June and September, 1933.)

A summary, with facsimiles, of types used in Elizabeth's reign.

JENKINSON, C. H. The Later Court Hands in England. University Press, Cambridge, 1927. Fol. 2 pt.

— — English Current Writing. (Trans. of the Bibl. Soc. Vol. XIII. 1915. pp. 273-95.)

KAUTZSCH, R. Die Entstehung der Frakturschrift. Gutenberg Gesellschaft, Mainz. 1921. 8vo. pp. 29. pl. 7.

KEYNES, GEOFFREY L. William Pickering, publisher. A memoir. London, 1924. Fol. pp. 110.

LAPPENBERG, J. M. Zur Geschichte der Buchdrucker-kunst in Hamburg. Hamburg, 1840. 4to. 2 pt.

LEGROS, L. A. and GRANT, J. C. Typographical Printing Surfaces; the technology and mechanism of their production. Longmans, London, 1916. 8vo. pp. xxiv, 732.

MCKERROW, R. B. An Introduction to Bibliography for Literary Students. Oxford, 1927. 8vo. pp. xv, 358.



- Includes a chapter on Printing Types, and another on Elizabethan Handwriting.
- McMURTRIE, DOUGLAS. A Note on Script Types. (*Ars Typographica*. Vol. 2, No. 2. 1925.)
- McRAE, J. F. Two Centuries of Typefounding. *Annals of the letter foundry established by William Caslon*. London, 1920. 4to. pp. xvi, 93.
- MADAN, FALCONER. A Chart of Oxford Printing. *Bibliographical Society Monographs No. XII*. London, 1904. Fol. pp. 50.
- MANZONI, GIACOMO. *Studii di bibliografia analitica*. Bologna, 1881, 82. 8vo. 3 pt.
- Concerned with Francesco Griffo, Vicentino and Tory, among others.
- MARROT, H. V. William Bulmer—Thomas Bensley. *The Fleuron*, London, 1930. 4to. pp. 80.
- Includes an account of the types of William Martin.
- MAYER, ANTON. *Wiens Buchdrucker Geschichte, 1482-1882*. Vienna, 1883, 87. 4to. 2 vol.
- MORES, E. ROWE. A Dissertation upon English Typographical Founders and Foundries. London, 1778. 8vo. pp. 92.
- One of the most important source books for the history of English types. Mores himself, at the time of the publication of his Dissertation, was the owner of the James Foundry, to which had descended the stock of several seventeenth-century founders. The work was reprinted by the Grolier Club, New York, in 1924.
- MORI, GUSTAV. *Eine Frankfurter Schriftprobe vom Jahre 1592*. Frankfurt, 1920. Fol.
- An account, with a reproduction, of an important specimen sheet, the earliest sheet of the Egenolff-Berners Foundry.

MORI, GUSTAV. Die Schriftgiessereien in Süddeutschland und den angrenzenden Ländern. Bauer, Stuttgart, 1924. 4to. pp. xx, 76. pl. 19.

——— Schriftproben deutscher Schriftgiessereien und Buchdruckereien, 1479 bis 1840. Ein Führer durch die Schrift-Proben-Ausstellung, Frankfurt, October, 1926. Frankfurt, 1926. 8vo. pp. 54.

MORISON, STANLEY. The Calligraphic Models of Ludovico degli Arrighi. Officina Bodoni, Montagnola di Lugano, 1926. 8vo.

A reproduction of Vicentino's two writing books, with an account of his career as printer and type-designer.

——— The English Newspaper. Some account of the physical development of Journals printed in London between 1622 and the present day. University Press, Cambridge, 1932. Fol. pp. xii, 335.

Apart from the subject of newspapers, the many reproductions in this volume are a valuable help for the study of English types.

——— The Fell Types. (A Poster prepared for the Exhibition of Oxford University Press books held at Messrs. Bumpus's, November, 1930. Not signed.)

——— Four Centuries of Fine Printing. Upwards of six hundred examples, 1500-1914. Benn, London, 1924. Fol.

As a display of books printed in roman and italic, this is the best work we have.

——— German Incunabula in the British Museum. Gollancz, London, 1928. Fol. pp. 26. pl. 152.

The introduction to this fine series of reproductions discusses the classification and nomenclature of gothic types.

MORISON, STANLEY. Ichabod Dawks and his Newsletter. Cambridge University Press, 1931. Fol. pp. 38.

Concerned with the "Cursors" of the Grover Foundry.

——— John Bell, 1745-1831, Bookseller, Printer, Typefounder, etc. Cambridge University Press, 1930. 8vo. pp. xi, 165.

Reproduces all the specimen sheets of the British Letter-Foundry, whose types were cut by Richard Austin.

——— On Script Types. (The Fleuron No. 4, pp. 1-42. 1925.)

The principal source for the study of the Latin scripts.

——— Towards an Ideal Italic. (The Fleuron No. 5, pp. 93-129. 1926.)

Contains the first account of the John Bell types.

——— The Trusler Script Types. (The Fleuron No. 7, pp. 157-176. 1930.)

——— The Type of the Hypnerotomachia Poliphili. (Gutenberg Festschrift, 1925. pp. 254-258.)

The old-face romans are traced back to the Aldine roman cut by Francesco Griffo.

——— Type Designs of the Past and Present. The Fleuron, London, 1926. 8vo. pp. 70.

MOXON, JOSEPH. Mechanick Exercises, or the Doctrine of Handiworks, London, 1683. 4to. 2 vol.

Vol. 2 deals with printing and typefounding, the first work published in English dealing with the subject. In 1896 T. L. De Vinne published a reprint, and in 1901 the Caxton Magazine issued a facsimile reproduction of the second volume.

——— Regulæ Trium Ordinum Literarum Typographicarum, or the rules of the three orders of



print letters, viz., the Roman, Italic and English.  
London, 1676. pp. 51. pl. 38.

On the construction of letters with the rule and compasses.

NEUDÖRFFER, J. Nachrichten von Künstlern und Werkleuten des Nürnberger Schreibmeisters Neudörffer. Herausgegeben von G. W. K. Lochner. Vienna, 1875. 8vo. pp. xxi, 237. Bd. X of *Quellen-schriften für Kunstgeschichte*.

OMONT, HENRI. *Spécimens de caractères Hébreux, grecs, Latins et de musique gravés à Venise et à Paris par Guillaume Le Bé, 1545-92.* Paris, 1889. 8vo. pp. 15.

The chief source of our information about Le Bé.

ORIOLO, E. Contributi alla storia della stampa in Bologna, in the "*Atti della r. Deput. di storia patria per le provincie di Romagna*," 1899. Vol. XVII. pp. 162-205.

Documents relating to Francesco Griffo.

PRCOT, E. Note sur l'enlumineur parisien G. Richardière et sur son beau-père Ph. Danfrie. Paris, 1889. 8vo. pp. 10.

On the Civilité types of Danfrie.

PLANTIN, CHRISTOPHER. *Index Characterum*, Antwerp, 1567. 8vo.

The facsimile reprint published by D. C. McMurtrie, New York, 1924, includes some notes on the sources of the types displayed.

PROCTOR, R. *An Index to the Early Printed Books in the British Museum.* Part II, 1601-20. Section I. Germany. London, 1903. 8vo. pp. 273.

Contains reproductions of German types in use in the years 1501-20.

PYKE, R. L. *The Legibility of Print.* Stationery Office, London, 1926. 8vo. pp. 124.



REED, T. B. *A History of the Old English Letter Foundries.* London, 1887. 4to. pp. 380.

Still the chief authority for the history of type-founding in England.

RENOUARD, PH. *Imprimeurs Parisiens, libraires, fondeurs de caractères, à la fin du XVI<sup>e</sup> siècle.* Paris, 1898. 8vo. pp. xvi, 480.

A valuable work of reference, fully documented.

A new edition is appearing serially in the *Revue des Bibliothèques.*

ROOSES, MAX. *Le Musée Plantin-Moretus.* Antwerp, 1913. Fol. pp. 407.

The fullest account of Plantin's press and his type-founders.

ROSSI, ADAMO. *L'Ultima Parola sulla questione del cognome di Mo. Francesco da Bologna.* (Atti della r. Deput. di storia patria per le provincie di Romagna, 1883. pp. 412-17.)

SABBE, M. and AUDIN, M. *Die Civilité-Schriften des Robert Granjon in Lyon, und die Flaemischen Drucker des 16. Jahrhunderts.* Vienna, 1929. 8vo. pp. 53.

SCHOLDERER, V. *A Fleming in Venetia: Gerardus de Lisa.* (Trans. of the Bibl. Soc., December, 1929.)

SMITH, JOHN. *The Printer's Grammar.* T. Evans, London, 1787. 8vo. pp. 369.

Includes a specimen of the Fry types, with a note on the relation of Fry to Caslon and Baskerville.

STATIONERY OFFICE. *Report of the Committee appointed to select the Best Faces of Type and Modes of Display for Government Printing.* London, 1922. 8vo. pp. 18.

STOCKMEYER, I. and REBER, B. *Beiträge zur Basler Buchdruckergeschichte.* Basle, 1840. 4to. pp. viii, 158.

STOWER, C. *The Printer's Grammar ; or, Introduction to the Art of Printing.* London, 1808, 8vo. pp. 562.

Includes specimens of the types of the principal London founders of the day.

STRAUS, R., and DENT, R. K. *John Baskerville, a memoir.* Chatto & Windus, London, 1907. 4to. pp. xi, 144.

THIBAudeau, F. *La Lettre d'Imprimerie.* Paris, 1921. 8vo. 2 tom.

THE TIMES. *Printing in the Twentieth Century. A survey.* London, 1930. 4to. pp. xvi, 298.

TIMPERLEY, C. H. *Encyclopædia of Literary and Typographical Anecdote.* London, 1830. 8vo. pp. 996.

TORY, GEOFROY. *Champ fleury.* Paris, 1529. Fol. ff. 80.

Primarily a philological work, but includes much on the construction of letters. A translation by G. B. Ives was published by the Grolier Club in 1927, and a facsimile reproduction in Paris, 1931.

UPDIKE, D. B. *Printing Types, their history, forms and use.* Cambridge, Mass., 1922. 8vo. 2 vol. pp. 584.

——— *A Translation of the Reports of Berlier & Sobry on Types of Gillé fils. Edited by D. B. Updike. (The Fleuron No. 6. pp. 167-183, 1928.)*

A comment on the modern face designs.

VOULLIÈME, E. *Die deutschen Drucker des fünfzehnten Jahrhunderts.* Berlin, 1922. Sm. Fol. pp. xvi, 175.

With many reproductions.

WARDE, MRS. B. (Paul Beaujon.) *The Baskerville Types. A critique. (The Monotype Recorder, September-October, 1927.)*

- WARDE, MRS. B. (Paul Beaujon). The "Garamond" Types. Sixteenth and seventeenth century sources considered. (The Fleuron No. 5. pp. 131-79. 1926.)
- The 1621 Specimen of Jean Jannon, Paris and Sedan, designer and engraver of the *Caractères de l'Université*. Edited in facsimile. Chiswick Press, London, 1927. 8vo.
- WARREN, ARTHUR. The Charles Whittinghams, Printers. Grolier Club, New York, 1896. 4to. pp. 344.
- WATTENBACH, W. Das Schriftwesen im Mittelalter, Dritte Auflage. Leipzig, 1896. 8vo. pp. vi, 670.
- WEGENER, J. Die deutsche oberrheinische Type im 15. und 16. Jahrhundert. 1904. 4to. pp. 70.  
Bd. 1 of the *Beiträge zur Bücherkunde*.
- WILLEMS, ALPHONSE. Les Elzevier. Histoire et annales typographiques. Brussels, 1880, 1897. 8vo. 2 pt.
- ZEDLER, G. Von Coster zu Gutenberg. Der holländische Frühdruck und die Erfindung des Buchdrucks. Leipzig, 1921. 4to. pp. viii, 194.

# INDEX

Aldine Greek, 126, 132  
 Aldine Italic, 110, 123, 129, 130, 132, 136, 139, 140, 142  
 Aldus Manutius, 54, 56, 123, 124, 126, 128  
 Alexandre, Jean, 78, 162  
 Alexandrian Greek, 213  
 Amerbach, Johann, 56  
 Andreae, Hieronymus, Formschnaider, 38, 40, 42, 44, 45  
 Andreae, of Frankfurt, 203  
 Andrews Foundry, 212  
 Anglaise, 180, 198  
 Anisson, E. A. J., 90  
 Anisson, Jean, 75  
 Anisson, L. L., 84, 87  
 Antique, 203, 214  
 Antonius, Venetus, 58  
 Apiarius, Mathias, 44  
 Arnoullet, Oliver, 28  
 Arrighi, Lodovico degli, da Vicenza, 133-145, 172, 173  
 Ashendene press, 20  
 Augereau, Antoine, 62, 64  
 Austin, Richard, 96, 97, 98, 169, 215  
  
 Badius, Josse, 57, 58  
 Baldon, John, 10, 186  
 Baker, John, 195  
 Baldwin, Wm., 144  
 Barbé, Jean, 64, 130  
 Barker, Christopher, 186  
 Barker, Robert, 186  
 Barker, Robert II, 188  
 Baskerville, John, 71, 74, 84, 86, 87, 88, 91-96, 100, 102, 169, 198, 214  
 Basle italic, 146, 147, 148  
 Basle roman, 109, 110, 112  
 Bassandynne, Thomas, 186  
 Bastarda, 6, 16, 18, 26, 28, 30, 31, 32, 34, 37, 38  
 Bâtarde brisée, 194  
 " coulée, 174.  
 " italienne or ordinaire, 192, 196. See also Lettre bâtarde.  
 Beauvoir, Théophile, 120, 121  
 Beaumarchais, R. de, 93, 214  
 Bell, John, 96, 98, 169, 215  
 Bembo, Cardinal, 54, 127, 129  
 Bensley, Thomas, 102  
 Berthelet, Thomas, 24, 30, 66, 68, 132, 133  
 Bessemer, Anthony, 91  
 Bewick, Thomas, 102  
 Binney and Ronaldson, 97  
 Bish, T., 201  
 Black Letter, 10, 60  
 Blado, Antonio, 128, 138, 144, 175  
 Blado italic, 145  
 Blake, Garnett & Co., 203  
 Bodoni, Giovanni Battista, 90, 91, 164, 166, 196-211  
 Bolognese letter, 20

Bonhomme, Pasquier, 28  
 Bosworth, T., 108  
 Bower, Bacon & Co., 203  
 Bowyer, William, 71  
 Breda, Hennequin de, 129  
 Breidenbach type, 36  
 Breitkopf, J. G. I., 34, 45, 80, 91, 180  
 Breton, Richard, 182  
 British Letter Foundry, 96, 97, 169, 215  
 Brothers of the Common Life, 9, 20  
 Bulmer, William, 96, 97, 102  
 Buyer, Barthélemy, 18  
 Bynneman, H., 186  
  
 Calvo, Andrea, 138  
 Calvus, F. Minitius, 138  
 Camden Press, 109  
 Cancellaresca, 90, 123, 133, 140, 146, 196  
 Canon d'Espagne, 24  
 Caractères augustaux, 120  
 Caractères de l'Université, 67  
 Caslon, William, 10, 70, 71, 72, 92, 94, 160, 198, 213, 214  
 Caslon, William II, 198, 213  
 Caslon, William III, 96, 214  
 Caslon, William IV, 203, 205  
 Caslon types, 98, 100, 102, 104, 106, 108, 109, 110, 112, 113, 114, 116, 117, 119  
 Castellione, Giovanni Antonio, 138  
 Caxton, William, 9, 10, 30, 110  
 Cellebrino, Eustachio, 175, 186  
 Cervicorn, E., 133  
 Chaucer type, 19  
 China, printing in, 1  
 Chiswick Press, 104, 105, 108, 109, 110, 120  
 Church Text, 12  
 Civilité, 174, 176, 178, 181-185, 188, 196  
 Colines, Simon de, 62, 142, 144  
 Collier, John Payne, 114  
 Collombat, J., 194  
 Comin da Trino, 176  
 Compagnie d'Ivry, 128  
 Compagnie des Libraires, 24  
 Coster, Laurents, 2, 3, 6  
 Cottrell, Thomas, 191, 192, 198, 214  
 Court Hand, 191  
 Cramoisy, Sebastian, 67, 190  
 Cranach, L., 40  
 Cratander, A., 146  
 Creussner, Friedrich, 31  
 Currentschrift, 176, 179  
 Cursorials, 187, 194, 195, 196, 198, 213  
  
 Dalziel, the Brothers, 109  
 Danfrie, Philippe, 182  
 Dawks, Ichabod, 187, 195  
 Day, John, 68, 157, 160  
 Deutsch, 38  
 Dickinson Foundry, 113  
 Didot, Firmin, 45, 46, 78, 82, 84, 87, 88, 164, 166, 168



- Didot, François Ambroise, 82, 84, 86, 87, 166  
 Didot, Henri, 87  
 Didot, Pierre, 78, 82, 87, 88, 94, 164, 166, 168  
 Didot, Pierre François, Le Jeune, 76, 84, 86, 87  
 Didot types, 86, 87, 91, 92, 93, 96, 97, 122, 164, 168, 170, 180, 198  
 Dijk, Cristoffel van, 9, 67, 71, 159, 160, 210  
 Distel Type, 19  
 Dolcibelli, Benedetto, 127  
 Doric, 206  
 Dorici, Brothers, 139, 148  
 Doves Press, 120  
 Drach, Peter, 8  
 Du Bois, Simon, 28  
 Duerer, Albrecht, 8, 38, 40, 42  
 Duits, 9  
 Durandus type, 12, 16  
  
 Egenolf, Christian, 147  
 Egenolf-Berner-Luther Foundry, 45, 64, 66-69, 82, 154, 157, 158, 159, 160, 209, 210  
 Egyptians, 200, 202-206, 214  
 Elzeviers, 67, 69, 158  
 Elzevier, Abraham, 160  
 Elzevier, Johann, 66, 160  
 Elzevier types, 102, 106, 113, 121, 160, 211  
 English, 10  
 Enschedés of Haarlem, 9, 34, 46, 58, 80, 82, 160, 179, 180, 184  
 Enschedé, Charles, 80, 82, 91, 160, 211  
 Enschedé, Johan, 80  
 Estienne, Henri, 57, 62  
 Estienne, Robert, 24, 54, 62, 64, 129, 130, 142  
  
 Fann Street Foundry, 114, 187, 195  
 Fat face, 200, 201, 202, 204, 206, 214  
 Fell, John, Bishop, 12, 69  
 Fell types, 71, 158, 210  
 Fere-humanistica, 14, 16, 18, 19, 22, 40, 50  
 Feyerabend, Sigismund, 44  
 Fezendat, Michel, 150, 152  
 Fievet, J. P., 210  
 Figgins, Vincent, 10, 96, 100, 102, 108, 109, 201, 203, 205, 206  
 Financière, 190, 196  
 Flamand, 9  
 Fleischner, J. Z., 180  
 Fleischmann, Johann Michel, 9, 69, 70, 80, 166, 195, 211  
 Fournier, Pierre Simon, 18, 19, 28, 70, 79, 80, 152, 164, 166, 180, 184, 194, 196, 200, 211, 214  
 Fraktur, 8, 28, 31, 34, 37-47, 60, 178  
 Franklin old style, 133, 120  
 French antique, 205  
 French old style, 113, 122  
 Erlburger, Michael, 56  
 Erben, Johann, 110, 132, 146  
 Froschener, Christopher, 37, 179, 180  
 Fry Foundry, 10, 84, 98, 100, 195, 201, 203  
 Fry, Dr. Edmund, 100, 187  
 Fuhrmann, G. L., 210  
 Fust, Johann, 2  
  
 Gabiano, Balthazar da, 127, 128  
 Gando, N. P., 78, 82, 168  
 Garamond, Claude, 5, 54, 57, 60-68, 74, 84, 88, 106, 130, 142, 210  
 Gaultier, Pierre, 4, 130  
 Gebetbuch type, 40, 42, 43  
 Genzsch and Heyse, 113  
 Gerardus de Lisa, 16, 52  
 Gering, Ulrich, 1, 18, 56, 57  
 Germanus, Nicholas, 51  
 Geyssler, Valentin, 209  
  
 Gilgengartschrift, 40, 42  
 Gillé, J. G., 168  
 Giolito, Gabriele, 147  
 Giunta, the, 127, 148  
 Giunta, Filippo, 128  
 Gotico-antiqua, 14  
 Grafton, Richard, 147, 148, 157, 178  
 Grandin, L., 150  
 Grandjean, Philippe, 75, 78, 80, 160, 162, 164, 169  
 Granjon, Robert, 148-158, 181-185, 210  
 Griffin, Edward, 190  
 Griffio, Giovanni, 147  
 Griffio, Francesco, 56, 124, 126, 127, 133  
 Grifo, 129  
 Grim, Sigmund, 36, 40, 42  
 Gromors, Pierre, 129  
 Grotesque, 205  
 Grover, J., 69  
 Grover Foundry, 10, 187, 191, 194, 195, 196, 198, 212, 213  
 Grueninger, Johann, 36  
 Gryphius, Sébastien, 129, 146, 150  
 Gubitz, 46  
 Guldenmundt, Hans, 43  
 Gutenberg, Johann, 1-4  
 Guyot, François, 157  
  
 Haas of Basle, 45  
 Hagen, Johann vander, 8, 20, 26, 37  
 Halle, J. F., 179, 210  
 Hamon, Pierre, 182  
 Han, Weygand, 44  
 Harris, G. F., 103  
 Harvard University Press, 94, 169  
 Hénaffe, of Paris, 75  
 Henriczoon, Cornelis, 9, 32  
 Hérisant, Mme., 78, 194  
 Holle, Leonard, 51  
 Hondius, Henricus, 145  
 Hondius, Jodocus, 145  
 Hone, William, 201, 204  
 Hoochstraten, Johan, 32  
 Horton, E., 69  
 Hout, Jan van, 211  
 Howard, William, 109  
 Humanistic hand, 48, 52  
  
 Imperial Letter Foundry, 97, 98  
 Imprimerie Royale, afterwards Nationale, 60, 66, 75, 78, 84, 87, 98, 162, 164, 168, 194, 196, 202  
 Imprint—Monotype, 120  
 Inglese, 198  
 Ionic, 205  
 Isengrin, Michael, 146, 147  
  
 Jackson, Joseph, foundry of, 96  
 James Foundry, 10, 160, 187, 191, 212  
 James, Thomas, 69  
 Janicolo, Tolomeo, 137  
 Jannon, Jean, 62, 210  
 Janot, Denis, 150  
 Jaugeon—Caractères, 75  
 Jenson, Nicolas, 20, 22, 51, 54, 106, 109  
 Joannis, J. L., 211  
 Johann von Paderborn, 56  
 Johannes da Spira, 50  
 Johannot, of Annonay, 86  
 Johnson, John, 202  
 Johnson, L., & Co., 109  
  
 Kachelhofen, Conrad, 36  
 Kanzleischrift, 38, 174, 176, 178, 180, 181, 192  
 Keere, Henricvan der, 184

Kelmscott Press, 104, 120  
 Kerver, Thielman, 129  
 Kilian, Hans, 174, 178  
 Knoblouch, J., 132  
 Koberger, A., 24, 26  
 Koch, R., 202  
 Koelhoff, J., 22  
 Köpfel, Wolfgang, 32, 40, 44, 132, 133  
 Kranz, Martin, 56  
 Kurzboch, J. L., 180

Lamesle, Claude, 184  
 Langbaine, Gerard, 212  
 Lautilius, Purninus, dei Rotelli, 133, 134  
 Leadhall Press, 116-119  
 Le Bé, Guillaume, 65, 209  
 Lee Priory Press, 202  
 Lepreux, Ponce, 147  
 Lerouge, Guillaume, 128, 142  
 Lettera da bolle, 175  
 Lettera mercantesca, 176, 186  
 Lettersnijder, Henrik, 9  
 Letton, J., 24, 26  
 Lettre bâtarde, 26, 28, 30, 31, 181  
 Lettre de forme, 5, 8, 26  
 Lettre de somme, 18, 19  
 Lettres françaises, 181  
 Lettera moderna, 20  
 Litterae Venetae, 20  
 Locarno, 202  
 Lotter, Melchior, 37, 44  
 Louwe, Joachim, 178  
 Luce, Louis, 60, 70, 78, 80, 164, 196, 211  
 Luft, Hans, 44  
 Luther Foundry. *See* Egenolf-Berner-Luther Foundry  
 Lyons Capitals, 120-121

McCreery, John, 103  
 Mansion, Colard, 30  
 Manuzio, Paolo, 66  
 Manzoni, Domenico, 176  
 Marcolini, Francesco, 139, 140, 144, 147  
 Marnef, J. & E. de, 154  
 Martens, Thierry, 132  
 Martin, Robert, 93, 96, 102  
 Martin, William, 96, 102, 103, 169  
 Masters, Joseph, 106  
 Mazarin, Cardinal, 1  
 Meere, H., 195  
 Mentelin, Johann, 16, 26, 50  
 Mercator, G., 145  
 Merula, Gaudentius, 138  
 Micard, Claude, 182  
 Miller & Richard, 112, 113, 114  
 Molé le jeune, 168  
 Molina, Gaspard de, 150, 152  
 Monotype Corporation, 79  
 Moncur, James, 212  
 Montgolfier, of Vidalon, 86  
 Moore, Isaac, 94, 169, 214  
 Moreau, Pierre, 174, 192, 194, 196  
 Morhard, Ulrich, widow of, 148  
 Morhé, Guillaume, 133  
 Morris, William, 19, 104, 110, 112  
 Moxon, Joseph, 68, 70, 212

Neff, Caspar, 178  
 Neudörfer, Johann, 38, 209  
 Nicholls, Nicolas, 68, 212  
 Nimmo, W. P., 114  
 Nourry, Claude, 28

Ogden, J., 114

Old Style, 112-120  
 Oxford University Press, 71, 212

Paganinis, Alessandro de, 128  
 Palmart, Lambert, 57  
 Pannartz, A., 16, 48, 50, 56  
 Parker, Stephen, 215  
 Patent Typefoundry Company, 114  
 Perna, Peter, 144, 158  
 Perrenot, of Avignon, 211  
 Perrin, Louis, 120, 122, 184  
 Peterson, Hendrik, van Middelburch, 144  
 Petrarch, 14, 126, 127  
 Petraraschrift, 14  
 Petri, Johann, 40, 43, 132, 209  
 Peypus, Friedrich, 132, 209  
 Phemister, Alexander C., 112, 113, 122  
 Philp, John, 106, 108, 114  
 Pickering, William, 94, 104, 106  
 Pitt, Moses, 194  
 Plantin, Christopher, 9, 22, 66, 68, 154, 156, 157, 158, 159, 182, 184, 209, 210  
 Porsdorff, Christian, 179  
 Powell, Humphrey, 144  
 Prentzler, J. H., 196  
 Printers' Register, 113  
 Publishers' Circular, 108  
 Pynson, Richard, 10, 24, 30, 57

Raem, Gerard ten, 18  
 Raibolini, Francesco, 126  
 Ramming, Melchior, 42  
 Rastell, William, 144  
 Ratdolt, Erhard, 9, 16, 22, 51, 209  
 Redman, Robert, 24, 30  
 Reed & Fox. *See* Fann Street Foundry  
 Regiomontanus, Johannes, 16  
 Reinhard, Marcus, 30  
 Reinhart, Simphorian, 43  
 Renchen, Ludwig, 36  
 Réveillon, of Courtalin, 86  
 Richardson, William, 191  
 Rihel, W., 147  
 Rockner, Vincenz, 38, 40  
 Rolloux, C. A., 210  
 Roli, Johannes, 69  
 Romains du roi, 76, 77, 78, 92, 160  
 Roman, Jan, en Comp, 9  
 Ronaldson, 120  
 Ronde, 175, 180, 182, 192, 194, 196, 198  
 Rood, Theodor, 18  
 Rosart, J. F., 9, 82, 164, 190, 196, 211  
 Rotunda, 9, 16, 18, 20, 26, 30, 40, 43, 56, 57, 65, 209  
 Rotweil, Adam, 20  
 Round-text, 20  
 Rusch, Adolf, the "R" printer, 50  
 Ryff, Sigmund, 132

Sabbio, Nicolini da, 139  
 Sachs, Hans, 43  
 Salomon, Bernard, 150  
 Salzer, E., 178  
 Saint Albans printer, 30  
 Sanlecque, typefounder of Paris, 78  
 Sans Serifs, 205-207, 214  
 Scheffers, Jacobus, 58  
 Schelter & Giesecke, 206  
 Schippel, J. H., 210  
 Schippel, J. H., widow of, 45  
 Schirlentz, R., 44  
 Schmid, J. A., 210  
 Schmidt, Nicolas, 132, 146  
 Schöffer, Johann, 2  
 Schöffer, Peter, 12, 16, 18, 19, 36, 58, 132, 208

- Schönsperger, Hans, 26, 40, 42  
 Schott, J., 132  
 Schreibschrift, 179, 180  
 Schumann, Valentin, 132  
 Schwabacher, 28, 31-34, 38, 40, 42, 43, 123, 175, 179  
 Schweynheim, C., 16, 48, 50, 56  
 Scriptographia, 195  
 Secretary, 176, 185-188, 190  
 Shakespeare Press, 96  
 Siberch, John, 58  
 Silber, Eucharistus, 20  
 Silvius, Guillaume, 182  
 Singrenius, Johann, 140, 146  
 Sobry, of Paris, 88, 90  
 Soncino, Geronimo, 124  
 Sorbonne Press, 48  
 Soter, Johann, 132  
 Staden, Hendrik van, 91  
 Stamperia Vaticana, 210  
 Steelsius, heirs of, 158  
 Stephenson, Blake & Co., 114, 195, 205  
 Steyner, Heinrich, 32, 42  
 Striblitza, Sebald, 130  
 Stübenvoll, J. H., 179, 210  
 Stuchs, J., 32  
 Subiaco type, 16, 20, 50
- Tagliente, Giovantonio, 139, 140  
 Tauchnitz, Carl, 168  
 Tavernier Ainé, 184  
 Teuerdankschrift, 38, 40  
 Text, 10  
 Textura, 5-12, 14, 16, 20, 22, 24, 38, 58, 60, 123, 144  
 Thierry, Denis, 159, 194  
 Thorne Robert, 100, 102, 170, 200-205  
 Thorowgood, William, 201, 204, 205  
 Tieffenbach, type-designer, 19  
 Tonson, Jacob, 69  
 Torrentino, L., 65  
 Tory, Geoffroy, 8, 18, 24, 28, 57, 58, 62, 142  
 Tournes, Jean de, 28, 65, 150, 152, 154, 157, 182, 184  
 Trattner, J. T., 180, 186  
 Trechsel, Johann, 57  
 Trissino, Gian Giorgio, 136, 137  
 Trot, Barthélemy, 127, 128
- Troy type, 19  
 Trusler, Dr. John, 198, 199  
 Tuer, Andrew White, 116-120
- Ulhart, Philip, 44  
 Ulrich, Georg, 44  
 Unger, Johann Friedrich, 34, 45, 46, 47, 91, 180  
 Union Pearl, 187, 195, 196  
 Upper-Rhine type, 31, 32, 34-37
- Vaflard (Wafard), Pierre Louis, 82  
 Vascosan, Michel de, 150  
 Vaussey, H., 211  
 Vêrard, Antoine, 28  
 Vernange, Louis, 211  
 Vibert, type-founder, 88  
 Vicentino. *See* Arrighi, L. degli.  
 Vidoue, Pierre, 129  
 Vietor, Hieronymus, 142  
 Voskens (the), 67, 210  
 Voskens, Bartholomeus, 179  
 Voskens, Dirk, widow of, 184  
 Voskens, Reinhard, 179-210
- Walbaum, J. E., 91, 166  
 Watson, James, 68, 212  
 Wechel, André, 66, 129  
 Wechel, Chrestien, 62, 157  
 Wendelin, da Spira, 18  
 Wenssler, Michael, 8  
 Wetsteins, type-founders, 80  
 White, Thomas, 94  
 Whittingham, Charles, 104, 106, 109  
 Wilson, Alexander, 94, 97, 169, 203, 214  
 Wirsung, M., 40, 42  
 Wittenberg letter, 32, 37  
 Wolf, Carl, 168  
 Wolfe, R., 144, 147  
 Wolff, Thomas, 147  
 Worde, Wynkyn de, 10, 12, 24, 26, 58, 132, 133
- Zainer, Gunther, 16  
 Zangrerus, P., 158  
 Zell, Ulrich, 2, 16  
 Zeppelin, 202  
 Zilverdistel Press, 19  
 Zingk, Christian, 179